Canadian Arctic Expedition Records.

R. M. Anderson.

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1914–1915.

Canadian Arctic Expedition, Records.
Volume IV.

September 9th. 1914, to April 1st. 1915.

Rudolph Martin Anderson.

The Geological Survey,
Ottawa, Canada.

1914.

Cape Bathurst, (Baillie Island), Canada.

Sept. 9 (Wed.) Decided to sail the "Alaska" to Herschel Island for more coal, gasoline, and other supplies. Cached one case pemmican (48 lbs.) and one gunny (100 lbs.) of flour more in storehouse here. Has remaining on beach 40 sacks coal, 6 drums (600 gals.) distillate, 3 empty distillate drums.

(Barom. 29.95; Standard Thermometer +30. D.S.).

Left with Tashawanna (Nanyaouk's wife) 2 prs. water ~~boots~~ to be soled with ugruk. Paid her 6 yds. cotton flannel for another pair of water boots.

Left with Betty Agnaviak (John Angasiuak's wife), 2 prs. winter boots to be deerskin soled, 8 deer legs to make a pair of winter boots, and 2 prs. seal mukluks for repairs.

Sailed out of Baillie Island harbor, bound for Herschel Island at 12 i 45 p.m. Strong NNE wind, and rather heavy sea. Leading wind so we hoisted sail at once. Log 0 at 1:05 p.m. Log 6 miles at 2:05 p.m. 14 mi. 3 in p.m. 20 ½ miles at 4:00 p.m. 28 miles at 5:05 p.m.

Liverpool Bay – Beaufort Sea.

Sept. 9. (Wed.) Log 63 miles at 10.10 p.m. 75 miles at midnight. Did not see Cape Dalhousie although we should have been in sight before dark, so we must have run a little too far off shore.

Gray Gyrfalcon – (Falco rusticola rusticola) One or two had been circling around the harbor all morning, and two were around the ship as we sailed out. Two more came out near the ship from the northeast point of the island Baillie Islands and hovered over the ship. Several times one was within twenty yards. I waited until one was directly overhead and dropped it. It fell through the main rigging, but glanced and fell overboard and we could not stop to pick it up.

Off Mackenzie Delta, Beaufort Sea.

Sept. 10. (Thurs.) Cloudy all night, and during forenoon. Somewhat more clear in afternoon. Strong NNE wind. + 33° F. at 9:00 a.m.

(Bar. 30.0 Stand. +44. D.S.) Log registered 75 mi. at midnight. 82 mi. at 1:00 a.m. 89½ mi. at 2:00 a.m. 95 mi. at 3:00 a.m. Course SW b W since leaving Baillee Island = (W b S true?). Log 139 mi. at 9:00 a.m. Course changed to SSW (WSW true). Log. 144 mi. at 10:00 a.m. Log 160 mi. at 12:00 M. Course to South (or SW true).

Pacific Loons - occasional Loons flying west.

Got into dirty yellowish water about 9:00 a.m. slightly brackish in taste.

Saw patches of scattered ice at intervals since 12:30 a.m. Little ice from 2:00 to 6:00 a.m. Considerable ice in long parallel streaks running from north to south.

Log 168 miles at 1:00 p.m. 300 mi. at 5:30 p.m. 343 mi. at 11:30 p.m.

Bowhead Whales - Ran into a small bunch of Bowheads about 12:30 p.m. Several were spouting within half a mile and kept it up for half an hour in spite of the fact

Off Mackenzie Delta, Beaufort Sea.

Sept. 10. (Thurs.) that we were running past them full speed with motor. Ran into strips of pretty heavy ice about 9:30 p.m., and had to keep running back to south, and then to Southeast, until we finally ran around the Eastern end of the drift ice, and finally anchored a little way from the beach, near the two conspicuous round hills between Shingle Point and King Point, Yukon Territory.

Saw two or three Seals during the day.

The "Alaska" engine is running without a hitch, better than it ever did before. The new four-bladed propellor is a little too heavy, and the engine can not turn over as many revolutions as would produce the best results. It can only develop about 180 revolutions per minute, while with lighter propellor it can run 300 revolutions.

Sept. 11. (Fri.)

Fog cleared up a little in the morning and we could see that the ice was fairly loose along the shore ahead.

(Bar. 29.70 Stand. +30. D. 5).

Light SE wind. Daylight 4.30 a.m.

Got under way at 5:00 a.m. and worked slowly ahead through loose heavy ice cakes. Tied up to large ice cake a little east of King Point at 6:30 a.m., and put 150 buckets of fresh water in tanks (full capacity).

Found W & N (by pocket compass on the ice)
W ¼ S (by ships compass).

White-fronted Geese (Anser albifrons gambeli) several flocks (20 - 10 - 15) going west.

Glaucous Gulls - a few seen.

Pacific Loons - numbers seen

Saw tent on beach at King Point and went ashore. Found Corporal Johnson, Constable Lamont, R.N.W.M.P., Mr. Lom. Seymour and wife, and Mungalina, bound for Shingle Point to put up fish for the winter. They had a fairly clear passage from Herschel Island, and have been

King Point to Herschel Island.

Sept. 11 (Fri.) camped at King Point for three days. The big ice began to come in yesterday.

Fish — very few here. Only two fish were caught in one haul of a big sweepnet. No ships had arrived from the westward at the time they left. The "Polar Bear" has gone out with eight whales, and "Herman" with five whales. Went up on top of bluff to look ahead. Ice looks more loose and open ahead.

Pushed ahead at once and passed Kay Point 1:00 p.m. Loose ice all the way to Kay Point, but clear to westward of Kay Point. Passed through two narrow strips of ice about half way to Herschel Island. Considerable heavy ice around northeast end of Island, and down along the outside of sandspit at Whaler's Harbor. Reached Herschel Island at 5:00 p.m. Inspector J. W. Phillips, R.N.W.M.P. was the only white man there. Corporal Johnson and Constable Lamont have gone to the eastward to put up fish, and

Sept. 11. (Fri.) Constable Parsons and Chichigaluk (interpeter) have gone to Fort McPherson in whaleboat after bacon, etc. and to bring down the second Mackenzie River mail.

No ships have come in from the West since we were here last. Very few natives are here now, the Nunatamis have all gone to the Mackenzie River, and a number of the Herschel Island Eskimos are on the mainland shooting geese, and are killing quite a number.

Caribou — one native killed seven Caibou out towards Demarcation Point recently, and others went out there to hunt.

Inspector Phillips gave me a receipt for distillate which he had allowed the Polar Bear to take.

"Herschel Island. Y.T.

20th August, 1914

"Received from the R.N.W.M.P. Herschel Island Five drums distillate, 550 gallons to be returned to Canadian Arctic Expedition during the summer of 1915. L. L. Lane.

Herschel Island, Y.T., Canada.

Sept. 11. (Fri.). When Capt. Lane came down the Mackenzie River he got seven drums of distillate from Mr. Geo. H. Wilkins (one drum to be returned in case the "North Star" was met east of the Mackenzie. This distillate (more than 700 gallons) he used up in whaling around Baillie Island and eastward as long as he possibly could. Then he turned up at Herschel Island with little distillate, and informed the Inspector, R.N.W.M.P that he would probably be unable to get to Point Barrow unless he could get more distillate. As the "Polar Bear" was short of grub, having been caught here a year ago with barely enough grub to winter on, the Inspector said he felt obliged to let Capt. Lane have five more drums of distillate to get him out of the country. At the present time Capt L.L. Lane is indebted to the Canadian Arctic Expedition for Twelve Hundred gallons of Engine Distillate

Strong current running to SE past outside of Herschel Island

Herschel Island, Y.T., Canada.

Sept. 12. (Sat.). Clear, warm day. Calm. Cold during the night. Young ice formed in the harbor, but melted about noon.

(Bar. 30.0 Stand. +34. D.S.) Geese-natives have killed many geese recently, on the island and on the mainland. Got three Hutchins's Geese from Chichak, killed last month while they were moulting, in a lake on top of island. No quills on wings.

*326. ♀ Branta canadensis hutchinsii

*327. ♀ " " "

Got some natives to help stevedoring. Loaded ship as follows:

100 sacks coal (about 9 tons)

5 drums distillate (500 gallons).

3 " Gasoline (300 ")

2 small drums Coal oil (90 gals)

25 cases " " 250 .

Inspected leaking coal oil cans and emptied suspicious cans into empty iron drums.

Other stores loaded as follows:

50 sacks flour (2500 lbs)

400 lbs. white sugar (4 sacks)

Herschel Island, Y.T., Canada.

Sept. 12 (Sat.).

60 lbs. Cube Sugar
1 bolt blue denim
3 fragments calico.
3 boxes 16-ga. shells.
50 " 38-55 cartridges
1000 #2 primers
2M "2½ "
3M #1 "
1 Nansen Cooker
3 tea kettles
8 box es .44 Cartridges
18 mens undershirts
6 light undershirts
pr. Cotton drawers
60 lbs shot.

200 lbs. peas.
3 bolts white drill.
1 box nested Tinware
2 tins matches
1 000 .38-55 bullets
1 doz. Enamel pans.
1 large Navy pails
2 small " "
8 enamel pots
1 coffee pot.
1 large pot
2 light white shirts
3 white coats.
15 cloth caps

Paid natives for stevedore work, partly in stores, part cash.

Ordered spare shaft for "Alaska": Measurements: To get total length of shaft it will be necessary to write to the builder of the gasoline schooner "Alaska": (Built in Seattle, Wash., in 1912, for Ira M. Rank. Inspected 10th July, 1912.

Sept. 12. (Sat). Forward end of shaft: 2 and 13/16 inches diam. of shaft, with shaft bushed to 3½ inches in stuffing box. Twelve (12) inches from front end of bushing to front end of shaft, where flange coupling is connected.

Measurements of propeller: 2¼ inches from center of hub to tip of blade. Taper inside hub 2¾ inches and 2¼ inches and 3⅜ inches long measured from bottom of countersink. Total length of hub 8¾ inches outside.

Countersink ⅜ inch each way.

⅝ inch wide by ¼ inch deep Keyway.

4½ inches square.

Also sent for 1 doz. Cans caustic soda for Edison low battery V-type cells with Zincs and carbon plates. 1 gal. Muriatic Acid. 5 lbs. Sal Ammoniac. Solder 20 lbs.

Thirty-two cases of specimens were left at Herschel Island, in care of the R.N.W.M.P., to be sent to the Geological Survey, care of the Department of the Naval Service, by the first available and safe means, the preference being for the "Ruby" in case

(Sept. 12) she could come ~~it~~. As it seemed probable
(Sat.). that the "Ruby" would not arrive this summer,
Inspector Phillips sent the cases out on the
steam whaler "Herman" with Capt. C.T. Pedersen,
Specimens as follows: % Dept. Naval Service.

7 cases Victoria Memorial Museum, Geological Survey.
21 " Dr E. Sapir, Ethnological, Geol. Survey.
1 bundle " " " " " "
2 cases, The Director, Geol. Survey.
1 case (from J.H. Wilkins), The Gammont Co.
Ltd. Sherwood St., Piccadilly Circus, London,
England.

Light NE wind started up at 6:00 p.m. The
weather has been calm all day, and the
ice around Herschel Island has moved
very little. Finished loading cargo before
supper and are ready to sail at daybreak.
We have taken on enough provisions here
so that if the "Alaska" gets caught by the
freeze-up before getting back to the winter
quarters of the rest of the party, there will
be plenty of provisions on board for
ship-keepers during the winter, while I

Sept. 12. (Sat.) and some of the other men will join the rest of the party by sled. As all the rest of the scientific staff have been landed at their desired field of work with all their equipment for work, including sleds and twenty dogs, and provisions for the year, the work can proceed uninterrupted even if the "Alaska" does not get back.

Wind started blowing from the southeast about 10:00 p.m., and blowing rather fresh at midnight, which should set the ice away from the coast between here and the Mackenzie River, as the coast line here runs northwest and southeast and east. We can make the run to Shingle Point in nine or ten hours, if not hindered by ice, and be past the only dangerous point, i.e., the only place where ice might be apt to hold us up. After reaching the Mackenzie River we should have a quick run to Wolf Fish and Union Straits, as the ocean is free from ice in that region and the only delays would be caused by heavy weather enroute. And with heavy seas running there is no danger of freeze-up for a long time yet.

Herschel Island, Y.T. Canada.

Sept. 13. (Sun.) Wind hauled to West about midnight, then to NW b N. Cloudy, cold morning.

(Bar. 30.0 Stand. + 30. D.S.) Sailed for eastward at 5:00 a.m. Ice fairly thick for two or three miles, but we had no trouble zigzagging through it; then passed another belt a few miles further on, where we had to push through some loose cakes and slush ice which had collected between the cakes. Reasonably clear and open to about five miles beyond Kay Point, when we encountered heavy ice. As the wind was pretty strong and a very strong current setting to SE, with ice moving very rapidly, we tied up to a large grounded cake at 11:00 a.m. near the shore. The ice was mostly loose, but moving so rapidly that a lead which opened up one minute was closed a minute later, and a vessel stood a very good chance of getting pinched in a jam and carried into a pocket, which would mean being stuck for the winter probably

Kay Point, Y.T., Canada.

Sept. 13 (Sun.). White-fronted Geese (Anser albifrons gambeli). Several flocks flying west along the land in the morning and again in the afternoon. Some flocks came head on towards the ship, but always swung off before getting in range.

Black Brant (Branta nigricans). Some flocks going west.

Seals - fairly numerous, and often stick their heads up in open spaces between the large ice cakes.

Calm at 9:00 p.m. and young ice forming in clear spaces between Grounded ice cakes. Ice outside still moving to Eastward.

Kay Point – Shingle Point, Mackenzie Bay.

Sept. 14 (Mon.) (Bar. 30.0 Stand. +34 D.S.)

Cloudy morning. Light SW (true) wind, blowing off the land. Ice had moved about one mile off shore. Sailed at 5:00 a.m. Worked some slack ice near Sabine Point and reached Shingle Point about 7:00 a.m. Saw R.N.W.M.P. tent there on beach – the only tent, and went ashore. Constable Parsons has not yet returned from Fort McPherson, although he is expected at any time. The Police are catching very few fish, they came here from King Point on the 11th, leaving King Point just after we passed them there. Thought of taking on some spars here from the immense piles of driftwood here, and pulled out a few, but as breeze was freshening when we got on board, decided not to delay here, but to get across the Mackenzie delta at once while the wind was fair. Sailed at 10:10 a.m., all sails set.

(225) Photo 34. ½. Mountains back of Shingle Point looking SW, from masthead. 8-½ Cl. 11:30 a.m.

(226) ½. Ships deck from mast head do

Oxy Mackenzie Delta.

Sept. 14. (Mon.) Temperature of air 40° F. at 12:00 M.
" " water 36° F " " "
" " air 37° F. " 6:00 p. m.
" " water 37° F " " "

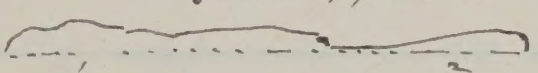
Saw three birds which looked like Fulmars. Blackish with whitish on wings.

Seals - seen occasionally

Pacific Loons - a few seen

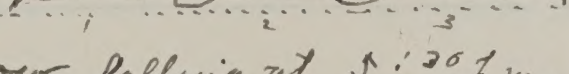
Stopped at 1:10 p.m. to make slight adjustment on engine. Log 19.25 miles from Shingle Point. Started again 1:50 p. m.

Garry Island sighted 4:00 p.m.; nearly abeam at 5:00 p.m, log 45 miles. At first it has the appearance of two islands the western one smaller.



Garry Island, from North.

Pelly Island on starboard bow at 3:30 p. m log 48 miles. Low; has appearance at first of two small islands, then nine (9) low, hummocky elevations appeared



Pelly Island, from North.

Snow falling at 5:30 p. m., changing to rain before 6:00 p.m.

Off Mackenzie Delta.

Sept. 14. (Mon.) Hooper Island ahead (on starboard bow) at 8:00 p.m. Log 66 miles from Shingle Point.

Snowing hard at 10:00 p.m. and pretty dark, so we have to keep a sharp watch on the bow. Passed strings of loose ice cakes at 9:30 p.m. 7 fathoms

8 fathoms at 11:30 p.m. Changed course NE b E.

Off Mackenzie Delta.

Sept. 10 (Tues). Snowing a little at midnight. Passed a little ice at 12:30 a.m. Clear ahead at 1:00 a.m. Log 92 miles at 1:00 a.m. (Bar. 29.68. Stand. +29. D.S.) Kept trying soundings at frequent intervals, but had only a light lead, and as sea was running pretty high and we were going pretty fast, could not throw out more than 6 fathoms of lead line before it would trail astern. Kept getting "no bottom" all the time until at 4:00 a.m. suddenly got 2 fathoms, shoals. Swung around on course to North until we got on five fathoms. At 4:00 a.m. sighted land. Land abeam at 9:30 a.m., some knolls, apparently Toker Point. Wind strong (NW true) most of day, but shifting more to West in afternoon. Kept land in sight at a distance, but gave up idea of going in to Point at Kittigazuit (Capt. Anderson's house) after sleds, on account of heavy sea running and wind blowing directly on the coast here.

Liverpool Bay - Baillie Island.

Sept. 15 (Tues.). Cape Brown islands abeam at 12:00 m. Log 155 miles

12:07 p.m. log 6 mi. 1:00 p.m. log 11.7 m.

1:30 p.m. log 15.7 miles. Engine stopped for a little while and we got a sounding of 6 fathoms;

2:00 p.m. log 18 miles. Hoisted mizzen-sail, to carry all the canvas we can, in order to reach Baillie Island before dark. We lowered sails last night on account of difficulty which might arise if we ran suddenly into ice. Hoisted foresail in morning. This did not help speed much, but steadied the schooner considerably, as the mizzen catches the sails and keeps her from rolling back to windward. The "Alaska" has about the right amount of cargo in her now to ballast her properly, and no deck cargo to catch the wind, so she sails much better than she used to when heavily loaded.

Sept. 15. (Tues.) 2:40 p.m. log registered 22.25 miles.
2:50 p.m. Cape Dalhousie abeam.
3:00 p.m. log 25 miles. 4:00 p.m. 32.4 miles.
4:38 p.m. log. 36.4 miles.

Off Baillie Island, about opposite SW sandspit at 7:00 p.m. Anchored in Cape Bathurst village-harbor at 9:00 p.m. Sun shining a little after noon, but more cloudy towards evening. Foggy after 7:30 p.m. Snow squalls. Wind getting stronger all the time.

296 F. all day, and spray freezing.

Very strong current running to North West around end of Cape Bathurst. As we came in under slow speed, the tide rip caught the bow and swung schooner around, so that we had to make circle and come back full speed ahead.

Very heavy sea running, and it was pretty dark as we ran along the north side of the island for an hour, trying to keep in sight of the land

Sept. 15 (Tues.). which was all of the time obscured by fog, and often hidden by sudden passing snow squalls. We felt very much relieved when we finally rounded the northeast corner of the island and felt a little shelter from the wind, although it was so dark that we had to go pretty carefully to pick up the channel into the harbor.

White-winged Scoter (Oidemia deglandi) A flock of one ♂ and 5 ♀'s passed near us, in middle of Liverpool Bay at 5:00 p.m. bended straight for Cape Dalhousie.

Hudsonian Curlew (Numenius hudsonicus) One flock of ten Curlews going west in middle of Liverpool Bay.

Black Brant (Branta nigricans) several flocks of Black Brant going west across Liverpool Bay.

King Eiders (Somateria spectabilis) many large flock going west across Liverpool Bay, towards Cape ~~Dalhousie~~.

Cape Bathurst (Baillie Island), N.W.T.

Sept. 16 (Wed.). Cloudy all day. Rain and snow. +29° F. Wind strong NW (true) and increasing all day. Very heavy surf on outside of sand-spit and NE end of Baillie Island. Breakers running on sunken reef between spit and NE end of island. Sea very seldom breaks here. Exceptionally high tide, running up around our distillate and coal and nearly to natives' houses. Some of our coal nearly buried in sand. Large opening washed through sandspit about 300 yards from end near first whale carcass, making an island of the village. Very strong current of dirty yellowish water, carrying considerable kelp, running to NW between Baillie Island and Cape Bathurst sandspit. The waters of Liverpool Bay seem to have been piled up by the NW gale and are being forced out between the islands and the mainland.

(Bar. 29.68. Stand. +28. D.S.)

Glaucous Gulls - many around whales. Carcass which has been carried outside and beached on north side of sandspit.

King Eiders - a few going west.

Cape Bathurst, (Baillie Island). N.W.T.

Sept. 17. (Thurs.)

+28° F. at 8:00 a.m. +24° at 2:00 p.m. Bar. 29.6 at 8:00 a.m. Strong NW gale, blowing as hard as ever. It is difficult to make schooner lie smooth as the wind and tide are running in opposite directions, and about counterbalance each other. Sometimes the wind is less strong and the schooner runs down on her anchor chain and comes up short.

(Bar. 29.60 8:00 a.m. Stand. +24. D.S.)

Snowing since 4:00 a.m.

Glaucous and Glaucous-winged Gulls about in small numbers, the dusky juvinal specimens more numerous than adults.

King Eiders and Oldsquaws going west.

Rough-legged Hawk - got one from John Kugasmuk, shot Sept. 10th, 1914.

*329. ♀ Archibuteo lagopus sanctijohannis Gray Gyrfalcon (Falco rusticolus rusticolus)

*328. ♂. F. r. rusticolus. Got a specimen from old Nangoork which he caught in a

Sept. 17. (Thurs.) traps on the end of the sandspit the day after we left here last.

Dug out what coal sacks we could and placed them back out of reach of the tide. Found 3/, nine being apparently buried in the sand.

Bought two dogs and one pup.

From Tashawanna (Nanyaruk's wife), one black dog, male, named "Agavirk" for 12 yds. white drilling, 1 sack shot (10 lbs.)

From Tashawanna, one black and white pup, female, named "Agna pai'guk" for 1 white undershirt, 12 yds. white drell. 2 cans milk, ½ lb. Coffee.

From Angayu, one black and white Victoria Land dog, male, named "Prince" for 1 blue undershirt, 1 pr. drawers, 1 pr. stockings 6 yds. Cotton flannel Teazelcloth.

Paid Tashawanna for soling two pr boots, — 10 yds. pink gingham.

Paid Betty Agnuvaik, for soling 3 pr. Kamleg boots, and 1 pr. ugruk boots, patching 1 pr. muklucks, —, red calico dress, ½ lb. Morris Mixture, ½ lb. Deal N.C.

Cape Bathurst, (Baillie Island) N.W.T.

Sept. 17. (Thurs).

Bought one dog from the John Angasuaruk family - Coloration - Gulf dog, named "Boss", formerly Capt. Jos. Bernard's leader. (Bot by Bernard as small pup in fall of 1910). Paid

2 sacks shot 20 lbs.	2.00
1 dress (6 yds. cotton flannel).	1.50
2 undershirts, 1 blue cotton, 1 white.	3.00
4 yds. white drill.	1.00
1 cloth cap.	1.00
1 can Baking Powder.	.50
1 lb. Tobacco 3 plugs T. 2 B	1.50
2 pr socks.	2.00
6 yds White drill	1.50
	$13.50

Bought a sealskin vest from Tasha-wanna for 1 sack shot and 1 can Baking Powder.

Bought another dog, named "Banks Land" from John Angasuaruk. Paid two blankets, 2 boxes .44 cartridges, 4 spools thread. (Bal. to be paid in spring 5 boxes .30-30 Cartridges

2 sheetings, 1 Ingersoll watch.

They have 3 dog training names "Banks Land," "Cape Lyon" and "Baillie Island."

Cancelled -

Cape Bathurst. (Baillie Island) N.W.T.

Sept. 18. (Fri.) Cloudy. +25° at 8:00 a.m. Snowing. Anchor fouled, and we had to heave anchor and move twice before we found a better anchorage. There is not very much room to move around in the harbor without going aground.

(Bar. 29.68. Stand. +23. D.S.) Snow-fall last night covered the land all over.

Mud holds apparently as strong as ever in the Northwest. Some large ice floes visible off shore. Waves a little smaller, probably due to ice off shore.

Old-squaws - numbers in bay.

Glaucous and Glaucous-winged Gulls - many around the whale's carcass, and flying over.

Long-tailed Jaegers - a few seen flying over.

Cape Bathurst, (Baillie Island). N.W.T.

Sept. 19. (Sat.)

(Bar. 30.0 Stand. +23. D.S)

Cloudy. Wind NW. +25° at 7:00 a.m. +27° at 8:00 a.m. Slight now. Fog. Wind lowered towards noon.

Went up to the nearest Whale's carcass with dory in morning and cut about 1500 lbs. of whale blubber and meat, and about 500 lbs. more in the afternoon.

Cached a couple of hundred pounds and put the remainder on board ship.

There is a broad shallow passage through the sandspit just beyond the first carcass, a deeper unfordable channel about 300 yards further on, and apparently another one up near the Cape Bathurst promontory.

Glaucous Gulls - scared about fifty away from the carcass. They were shy about coming back, but occasionally flew over and I shot four, two adults and two young.

*330. ♂ Larus hyperboreus.

Glaucous-winged Gulls - a few with the Glaucous Gulls, recognized by

Sept. 19. (Sat.) the young specimens being a trifle smaller and more dusky. Shot one

*331. ♀ Larus glaucescens.

Sabine's Gull (Xema sabinii). One young specimen flew over.

King Eiders - saw a flock of females going west.

Old-squaws - a few along the coast.

Jaegers - Saw two black jaegers (?)

During the storm the high tide covered much of our coal on the beach and washed one gasoline tank into the water.

Cape Bathurst. (Baillie Island), N.W.T.

Sept. 20. (Sun.)

(Bar. 30.10. Stand. +24. D.S)

Cloudy. Calm in the morning. +25° and 26° F. most of the day. Tried to go out of the harbor, starting for Cape Parry, at 5:00 a.m., but had barely enough room to turn around, and ran bow aground near the houses. Tried to Kedge off in morning and afternoon but were unable to move the schooner an inch. Tide falling abt. forenoon. Up a little about 5:00 p.m., but soon started falling again.

King Eiders - numbers of flocks going west. Blue shot one ♀.

Old-Squaws - numbers going west.

Pacific Loons - a few going west.

Glaucous Gulls and Glaucous-winged Gulls - numbers around carcass.

Ice drifting west again. A number of small pieces of ice drifting into bay.

Sept. 21. (Mon.)

Cloudy. Light NE wind. +26° at 9:00 a.m. +29° at 1:00 p.m. Tide lower than ever. Began unloading cargo to lighten ship.

(Bar. 30.0 Stand. +28. D.S.)

Took off 99 sacks coal; 24 cases coal oil, 2 drums coal oil, 5 drums gasoline.

King Eiders - many flocks going West all day.

Old-squaws - going west all day. Most of the ducks pass outside of the sand-spit, pretty well off shore, from the high land (cut banks) at Cape Bathurst straight across to the NE corner of Baillie Island. Some ducks pass inside the spit and across the harbor.

Going ice drifting across the bay in a slushy mass, from southward.

Seals - seen occasionally in harbor.

The H. B. Co.'s small sailing schooner, which Mr. Phillips had at Herschel Island in August, arrived at 8:00 p.m., with "Jimmy" Memoiarna in charge. He has with him his wife, son Pikkolarna, and another man, named Angasmark, with family.

Cape Bathurst. (Baillie Island). N.W.T.

Sept. 22. (Tues.)

Sunshine Strong NE wind. +37°F (in the sun) Ice outside all drifting west. Considerable ice in bay.

(Bar. 30.10 Stand. 24. D.S.)

White Foxes - Mr. Blue went up the track to the second whale's carcass, near Cape Bathurst, and saw 15-18 Foxes around the carcass. Most of them were dusky, but a few were whitish. He said they were very tame and when he sat down, some of the Foxes came within a few feet of him. He shot one with .22

#334. ♂ Vulpes lagopus innuitus.

Angasinauk, the man with Jimmy, has a very bad thumb, split completely open, by jamming between dinghy, which they were towing, and stern of schooner, about two weeks ago. Open to the bone, with much green festering matter and offensive smell. Cut out loose decayed matter and antiseptic'd thumb thoroughly and dressed it.

Jimmy says he was at Cape Dalhousie Island when "Alaska" passed and Fred. Jacobsen saw it.

Cape Bathurst. (Baillie Island) N.W.T.

Sept 23. (Wed.)

(Bar. 29.90. Stand. +28. D.S.)

Young ice is making

Sunshine a.m. Wind SE. +30° 31° at 12 M. Hauled on wreck in forenoon. Have Kedges out both fore and aft. The tide has fallen 3 or 4 feet since we grounded, and the "Alaska" is pretty well up, and listed to port.

Stored in storehouse 24½ gunnies flour. 4 sacks sugar.

Got from "Jimmy" 4 boxes .22 Cartridges @ $1.00 per box. He presented me with a pair of moosekin moccasins.

Long-tailed Jaeger. Mike shot a young ~~Long-tailed~~ Pomarine Jaeger. Juvenal plumage, dusky brownish, with ochraceous barrings below. Iris brown. Tarsi bluish, feet black.

*332. ♀ Stercorarius pomarinus ~~Hongi Cuvieri~~ juv.

Shot a Seal - and wounded him. He remained on surface splashing about. Shot him again and he sank and was lost.

A few Eiders and Old-squaws in bay. Much young ice coming from southward. Fog in afternoon and slight rain in evening. "Alaska" floated off in evening.

Cape Bathurst. (Baillie Island). N.W.T.

Sept. 24. (Thurs.).

(Bar. 30.0 Stand. -28 D.S.)

Cloudy a.m. light NW wind. Light snow and rain in afternoon. Jimmy sailed about 8:00 a.m. for Cape Parry, following the coast. If he can not reach Cape Parry he at least wants to get some place he can find wood on the beach. Skinned some birds.

Angasinank and family backed down on trade for dez "Banks land," alleging that they could not wait for the deerskins promised. They returned the blankets paid already. The real reason seems to be that they bought blankets and other things from "Jimmy" (representing the H.B.Co.) entirely on credit of fox skins to be caught next winter, and hence thus they might as well keep the dog.

Tahawauna also wants to trade back fox traps which we bought of her.

Having unloaded all of our cargo now, in order to get the schooner off the ground, we should have to spend about three days more re-loading before we could sail out. As the nights are very dark now, with the

Sept. 24. (Thurs.) moon gone, and more or less ice floating in, it is a precarious matter to sail at night now, and as young ice is forming pretty thick and slushy at times now, decided to stay here. The chances are that we would not get beyond Cape Parry, or possibly Peirce Point, and there is no harbor beyond that for a long distance. As we have not very much to bring back to the base camp, the advantage in getting back there is not commensurate with the risk involved. The schooner has to go to Herschel Island next summer anyhow, and has a better chance of getting out from here early. I can join the other party by sled and have to come back here in the spring to get the mail.

Alaska floated off last evening.

Cape Bathurst. (Baillie Island). N.W.T.

Sept. 25. (Fri.) Cloudy all day. Calm in forenoon. Went up to the end of bay inside the sandspit.

(Bar. 29.90 Stand. +28. D.S.) White Foxes — As we came near the whale's carcass, saw Foxes running all over it and running away along the sandspit, 12 or 15 of them, mostly dusky colored, although three or four were pretty white. The carcass was separated from land by water about 6 feet wide and two feet deep. One Fox which was on top of the carcass jumped into the water and swam ashore, shaking himself like a dog on emerging. Chased a half grown dusky brown Fox out on the tip of spit, where he crouched growling at me. When I tried to take him, he took to the water, ~~and Waded~~ swam out to the carcass and crawled out on top of it. I caught him and brought him home alive. Going up on the tundra, saw Foxes running about in every direction. Shot two at close range with shot-gun, and Mike shot one, all dusky young specimens.

Cape Bathurst, (Baillie Island), N.W.T.

Sept. 25 (Fri.)

* 335. ♂ Vulpes lagopus immuitus jur.

* 336. ♂ " " " "

* 337. ♂ " " " "

Going up the coast along the edge of the bluff, a Fox ran out from behind a lump of clay and stopped about 25 ft. away — a white-colored Fox. He kept running ahead of me, a few yards at a time, often stopping to look around.

Glaucous Gulls — a few around carcass and flying up and down the coast. Shot two. Left one in canoe while I was up on the land for a couple of hours. When I got back found that Foxes had eaten half of it.

King Eiders — Sweeney shot one fem. from float near Schooner. Blue shot one.

335. ♀ Somateria spectabilis.

Old Squaws — Many Old squaws. Two shot.

Snow Bunting — saw one.

Snowy Owl — saw one on the tundra.

Black Brant — one flock going west, passed along the sandspit.

Cape Bathurst, (Baillie Island), N.W.T.

Sept. 26. (Sat.). Snow storm all day. Strong NE wind. +28° at 12:00 m. +31° at 4:00 p.m. Wind hauled to west in evening.

(Bar. 29.80. Stand. +30. D.S.). Old-squaws - going west.

Red Phalaropes - small flock in water near the beach.

Snow Buntings - two seen.

Skinned three Foxes.

Sept. 27. (Sun.). Snow. Strong NW wind. Heavy sea running. +24° at 12:00 m.

(Bar. 29.80 Stand. +24 D.S.). Fresh Polar Bear tracks near whale's carcass.

Gray Gyrfalcon (Falco rusticolus rusticolus) one flew around ship

Sept. 28.
Cape Bathurst. (Baillie Island). N.W.T.

Sept. 28. (Mon.).

Clear. Light NW wind. + 20° at 8:00 A.M.

Much young ice.

Glaucous Gulls - a few around.

Seals - saw several.

Eiders - a few in bay.

(Bar. 30.10
Stand. + 20.
D.S.).

Polar Bears - Castel and Blue Loot the Canoe up the bay in morning. They saw three Polar Bears near the carcass and killed two. They wounded the other, which they thought was the largest one, but it got away.

*338. ♀ Thalassarctos maratimus ad. L. 79" (2010 mm); T. 7 3/4" (197 mm); H.F. 13 3/4 (350 mm)

*339. ♂ juv. Thalassarctos maratimus L. 51 3/4" (1315 mm); T. 4 1/2" (115 mm); H.F. 10 1/2 (267 mm).

White Foxes - Forty or fifty, young and old, seen near the whale's carcass. They were very tame, stole a Gull from Canoe while men were hunting bears (leaving nothing but feathers), also ate a hole into back of the Bear while the men had gone home after the launch.

Cape Bathurst. (Baillie Island). N.W.T.

Sept. 29. (Tues.)

(Bar. 30.15 Stand. +23. D.S.) Calm all day, with light snow.

Cloudy. +22° F. at 8:00 a.m.

Young ice all around ship in the morning. Moved ship in afternoon so that she would lie NE and SW, with bow pointing outwards (SW).

King Eider – one ♀ shot in open pool near ship.

Seal – Mike shot one outside of sandspit.

Upper part of bay froze over last night and the ice is quite stiff.

Sept. 30. (Wed.)

(Bar. 30.0 Stand. +26. D.S.) Harbor frozen over and ship frozen in.

Cloudy. Light West wind. +30° at 8:00 a.m.

Boys were out with Canoe and shot a few Old squaws. A good many Ducks flying to westward. Blue, Hay and I were out in canoe all afternoon. Going pretty well out and among the ice floes. Although many Seals had been seen in the morning, we saw but one in the afternoon.

Old squaws – large numbers flying, and small flocks around the edges of most of the ice-floes, frequently in the middle of patches of slush ice. Shot eleven (11)

Sept. 30. (Wed.) by paddling in and out among the floes and by drifting down on them in the water.

King Eiders – paddled up on a flock of about a dozen. They seemed confused and hesitated some time before flying, and we killed three females. Many flocks flying west.

*345. ♂ Larus hyperboreus jun. Glaucous Gulls in fair numbers, flying about, or resting in the water. They float high on the water, and never dive.

Black-headed Pacific Throated Loon (Gavia stellata). Saw one in water. It dived as we paddled towards it. Then we all paddled ahead hard for about one hundred yards in the same direction and stopped. The Loon came up within range and I shot it. Fred blush.

*343. ♀ Gavia stellata pacifica jun.

Jaeger – saw one young jaeger, short tail and dusky plumage.

Red Phalarope (Phalaropus fulicarius). Saw two swimming, some distance off shore among the ice floes. One shot, fall plumage.

*342. ♀ Phalaropus fulicarius.

Cape Bathurst, (Baillie Island) N.W.T.

Oct. 1. (Thurs.) Clear. Light west wind. +18° at 8:00 a.m. Went up along sandspit, but could not cross channel through the spit. Much young ice drifting rapidly to west. Young ice in bay badly strong enough to bear up a man, from tip of spit back to East end. Open channel through spit. Kept open by strong current running out.

(Bar. 30.20. Standard +26. D.S.). The harbor is all frozen over.

Seals - saw a few all along outside of spit. Sullivan shot one in the morning, and Pete two in the afternoon.

Snowy Owl - a fine specimen, very dark, spotted over whole body with dark spots. Rather lean. Shot by Vermont Castle

344. ♀ Nyctea nyctea.

Glaucous Gull - a few seen. One shot and stunned, but skin torn up by little fox "Jim" which we have been trying to tame in the cabin. The fox has an ugly temper and growls and snaps at everybody. He eats greedily consuming a surprising amount of flesh meat and blubber.

Cape Bathurst (Baillie Island). N.W.T.

Oct 2. (Fri). Clear. Calm. +18° F. at 8:00 a.m. Foggy later. Light West wind. Strong SW wind after 10:00 p.m. A few Ducks flying. Blue and Castel went up to carcass and saw three Polar Bears, killed two, and one got away along the coast of Franklin Bay.

(Bar. 30.20 Stand. +2.6. D.S. ~~Strong wind blew all the water from the outer edge of the landfast~~

*340. ♀ Thalassarctos maratimus ad. L. 81½" (2068 mm); T. 4.75" (121 mm); H.T. 10¼" (260 mm)

*341 ♀ juv. Thalassarctos maratimus juv. L. 65¾" (1672 mm); T. 4¼" (108 mm); H.T. 9" (229 mm).

White Foxes – many seen around whale's carcass.

Glaucous Gulls – a few seen

Cape Bathurst, (Baillie Island) N.W.T.

Oct. 3. (Sat.) Cloudy. S.W. gale. +28° at 8:00 a.m.

Photos 3A.

(227) ✕3. D.W. Blue, before shaving off beard. 8 - 1/50 - D.S. Indoors under skylight.

(Bar. 29.90. Stand. +30. D.S.) (228) ✕4. Engine room "Alaska". do.

Strong wind blew all the new ice from outer side of sandspit. (234) V.P. ✕1. D.W. Blue. 11 - 1/25 - Indoors.

White Fox - "Jim," the captured fox, got out again last night and defied capture until this morning. He had damaged several bird skins and totally destroyed another (Rough-legged Hawk). He seems to have been captured too old to be tamed, so decided to add him to skin collection, as I have been thinking of doing quite often recently.

✕346. ♂ Vulpes lagopus innuitus Juv. "Jim."

605 mm. - 195 mm. - 105 mm.

Oct. 4. (Sun.) Cloudy. Warmer. Light NE wind. The wind has cleared away the loose young ice outside the sandspit.

(Bar. 29.60. Stand. +28 D.S.) +30° F. at 8:00 a.m.

Harbor open today; thawing. Seals - Mike killed one Seal, and Nanyaok one, at tip of sandspit. There is a strong current running here and the Seals drift by.

Ad-squaws - a few along the shore.

Glaucous Gulls - a few seen.

Oct. 5. (Mon.) Clear. Calm. +22° at 8:00 a.m. Occasional Seals seen near point of the sandspit.

(Bar. 29.40. Stand +22. D.S. Later in the day, light westerly wind with slight snowfall.

Cape Bathurst. (Baillie Island), N.W.T.

Oct. 6. (Tues.)

Cloudy. +25° at 8:00 a.m. Slight fog.

Polar Bear - Blue and Castel saw a Polar Bear near whale's carcass.

(Bar. 29.70, 6 p.m. Standard +22. D.S.)

Glaucous and Glaucous-winged Gull-numbers seen.

White Foxes - few seen today.

A light fall of snow at 12:00 noon today. Wind westerly.

Oct. 7 (Wed.)

Cloudy. Light wind; westerly.

+25° at 8:00 a.m. +27° at 12:00 M.

Weather clear most of the day.

(Bar. 30.0 at 6:00 p.m. Standard +26. D.S.)

Oct. 8 (Thurs.) Clear. Light west wind. +15° at 8:00 a.m.
Went up to Cape Bathurst bluff.

(Bar. 30.20 6 p.m. Standard +15. D.S.)

White Foxes – saw ten or twelve foxes all around the carcass. They were pretty wild and ran for the tundra when I approached. One ran out on the ice, thin young ice off shore. I shot and wounded a King Eider in a little pool about 100 yds. off shore. The Duck fluttered about and the Fox ran up and down the side of the hole, waiting for the Duck to drift up to the side of the hole. I waited for some time hoping that the Fox would catch the Duck and carry it ashore for me, but got tired of waiting. Another fox passed within 25 ft. of me as I was hiding. Young along the spit, back to the carcass. Stepped Kodak and the Fox ran away.

(229) 3A. #5. White Fox on sandspit. f-1/50-8 S. 9:30 a.m.

(230) 3A. #6. C.G.S. "Alaska" in winter quarters, looking from South. f-1/50-8 S 10:30 a.m.

Glaucous and Glaucous-winged Gulls – A few seen.
Old-squaws – a few seen.
King Eiders – three females seen.

Cape Bathurst (Baillie Island), N.W.T.

Oct. 9. (Fri.) (Bar. 30.15. Stand. +14. D.S.).

Cloudy. Strong N.W. wind. +15° at 8:00 a.m. Sabine's Gull (Xema sabinii) One flew over the schooner about 4:00 p.m. It also circled over the sand-spit for a little while.

Oct. 10. (Sat.). (Bar. 30.30. 6 p.m. Stand. +12. D.S.).

Cloudy. Light east wind; stronger in evening. +13° at 8:00 a.m. +15° at 6:00 p.m.

Polar Bears - Harmon Castet saw two Polar Bears, one large one and one small one, at carcass today.

Glaucous and Glaucous-winged Gulls - a few staying around the whale's carcass.

Old-squaws - a few flying.

White Fox - Castel's dog team ran down a husky young fox on the tundra and killed it. Sweeney said he saw ten Foxes today.

Cape Bathurst, (Baillie Island), N.W.T.

Oct. 11. (Sun.) (Bar. 29.90 at 6 p.m. Stand. -26. D.S.

Cloudy. Strong East wind.
+22° F. at 8:00 a.m.
Weather clear wind East at 6 p.m.

Oct. 12. (Mon.) (Bar. 30.0 Standard +26. D.S.)

Cloudy. Mist. light snow. Strong East wind
+28° at 8:00 a.m.

Polar Bears - Castel and Skey saw fresh tracks on sandspit and followed them up to windward to second whale's carcass, and saw three Bears on Carcass, feeding greedily. Shot them from behind ice ridge about 75 yds away.

*349. Thalassaretos maratimus ad. ♀
L. 80" (2423 mm); T. 8¼" (205 mm). H.F. 14" (355 mm)

*350. ♂ juv. do. 56½" (1435 mm); T. 4⅛" (105 mm); H.F. 12" (305 mm)

*351. ♀ juv. do. 61" (1555 mm); T. 6¼" (160 mm); H.F. 12¾" (325 mm).

Glaucous Gulls - shot three juv. specimens near carcass, one with white collar. Broke through ice outside y Channel entrance and got soaked.

Fox - Saw one dusky White Fox near Carcass.

Lemming - One caught on sandspit. Brown band about ¾" wide on back; sides white. Dusky spot on breast. *352. ♂ Dicrostonyx ♀ 117-11-17.

Cape Bathurst. (Baillie Island). N.W.T.

Oct. 13. (Tues.)

Cloudy. East wind. +21° at 8:00 a.m.

Lemming – The cook killed a Lemming on ice near schooner. Pelage dusky with very slight admixture of white.

Bar. 30.0
Stand. +20.
D.S.

#353. ♂ Dicrostonyx sp. 121–10–18.

Glaucous Gull – Blue shot one young bird.

Weather clear during the day.

The pack ice is in.

Oct. 14. (Wed.)

Cloudy. Strong East wind. +17° at 8:00 a.m.

Willow Ptarmigan – Hey saw a flock of about fifty Ptarmigan near end of bluff. He came back for his shotgun and killed six; one with a brown feather on head.

Bar. 29.95
Stand. +20.
D.S.).

Snow drifting with strong East wind.

Cape Bathurst, (Baillie Island), N.W.T.

Oct. 15. (Thurs.). (Bar. 30.0 Stand. +20. D.S.).

Clear. Sunrise at 8:00 a.m. (our clock time). Strong NE wind + 21° at 8:00 a.m.

Lemming – Natives killed near the beach. Dusky broad stripe along back; sides white.

*354. ♂ Dicrostonyx sp. 115–10–18.

Mice – there are some mice (dark-colored) in storehouse, the natives say. Set two traps, not all I have here.

Oct. 16. (Fri.).

Clear. Strong SE wind. + 21° at 8:00 a.m. + 17° at 6:00 p.m. Very low tide.

(Bar. 30. Stand. +20. D.S.)

Cape Bathurst (Baillie Island), N.W.T.

Oct. 17. (Sat.) (Bar. 29.90. Standard +9. D.S.)

Clear. Strong S.E. wind. +15° at 8:00 a.m.

Oct. 18. (Sun.) (Bar. 29.80 Standard. +9. D.S.)

Cloudy. SW wind in forenoon. +14° at 8:00 a.m. +16° at 6:00 p.m. Light breeze in evening, shifting all around the compass

Oct. 19. (Mon.) (Bar. 29.70. Stand. +9. D.S.)

Cloudy. Strong N.W. wind. Snowflakes flying. +21° at 8:00 a.m.

Glaucous Gull - shot a young bird on ice near ship.

White Fox - Nanyaouk found a dead young Fox on the ice a day or two. They have hair pretty short yet. The natives think that most of these very small young foxes will freeze to death before long.

Cape Bathurst, (Baillie Island). N.W.T.

Oct. 20. (Tues.) Bar. 30.10. Stand. +10. D.S.)

Cloudy. Strong NNE. wind
+11° at 9:00 a.m. +11° at 5:00 p.m.
I have been crippled somewhat for a couple of days, by lumbago, or a strained back.

Oct. 21. (Wed.). (Bar. 30.40. Stand. +8. D.S.)

Cloudy bright. Fairly strong NE wind.
+11° at 9:00 a.m. Some of the men went up to the Cape Bathurst bluff. No tracks of Bears around the whale's carcass.
Ptarmigan = Flock seen on land near Cape Bathurst. They shot two.

Oct. 22. (Thurs.). Bar. 30.50. Stand. +5. D.S.)

Cloudy bright. Light NE wind. +9° F. at 8:00 a.m.
+8° at 3:00 p.m. +5° at 6:00 p.m.
Willow Ptarmigan — They shot four on tundra near Cape Bathurst.
Glaucous Gulls - All the Gulls seem to have gone away.
Spent day going over old notes to compile a map of Liverpool Bay.

Cape Bathurst (Baillie Island), N.W.T.

Oct. 23. (Fri.) (Bar. 30.40 Stand. +5. D.S.)

Clear, bright sunshine. Light NE wind +8° at 9:00 a.m.

Oct. 24. (Sat.) (Bar. 30.24 Stand. +16. D.S.)

Clear. Bright sunshine: Light NE wind +19° at 10:00 a.m. Ice closed in tight to shore. Boys went up on land, but saw no Ptarmigan, Gulls or Foxes. Mike saw one Seal

Oct. 25. (Sun.) (Bar. 30.0 Stand. +10. D.S.)

Clear: Light NE wind. +10° at 9:00 a.m. Wind hauled to South and then to SW later in the day.

Polar Bear - fresh tracks of five Bears seen near Whales Carcass.

Cape Bathurst (Baillie Island), N.W.T.

Oct. 26. (Mon.). Bar. 30.00 Stand. +20. D.S.).

Clear. Light SW wind. +10° at 9:00 a.m. Iday went up to the Whale's Carcass early in the morning, and saw four Polar Bears. One ran away. He shot and fatally wounded one female Bear, and her two half-grown cubs remained near their mother. He came back for more cartridges and reinforcements, and the old Bear was finished off, together with the two cubs.

Oct. 27. (Tues). (Bar. 30.0 Stand. +18. D.S.

Cloudy. Light NE wind. +22° at 9:00 a.m. Working all day sewing straps and buckets for lining to double-wall tent of white drill; remodelled from cover of old Alpine Tent.

Cape Bathurst (Baillie Island), N.W.T.

Oct. 28. (Wed.) (Bar. 30.40 Stand. +5. D.S.)

Clear. Light N.E. wind. +8° at 9:00 a.m. Castel saw two Gulls out on the ice. Bear tracks everywhere on the ice.

Oct. 29. (Thurs.). Bar. 30.20 Standard. -2. D.S.)

Cloudy. Light N.W. wind. -2° F. at 9:00 a.m. (the first time thermometer has gone below zero this fall).

Foxes - a few seen on sandspit and on the Island, nearly all dusky colored.

King Eiders - a flock of females flying west.

Polar Bears - Mey and Nake went to SW sandspit of Baillie Island to look for wood for tent poles. They found a good bit of fresh, new driftwood, and said that there were probably six loads more there. They saw fresh tracks of a Bear on top of the "Beluga Icehouse" and traces of a Bears scratching around door of same. Numerous Bear tracks on the ice. Working in double tent all day.

Oct 30. (Fri.). (Bar. 30.0 Stand. + 9. D.S.)

Cloudy. Light NW. wind. Misty fog later in the day. Castel went to SW sandspit with natives. No Bears seen, but many tracks. A few Foxes seen. Finished adjustments of double tent today.

Oct. 31. (Sat.). (Bar. 29.90. Standard +0. D.S.)

Cloudy. Light NW wind. + 3° at 9:00 a.m. Foggy in afternoon. Wind strong SW in evening with snow falling. Getting ready for trip west to Cape Dalhousie to get the large Nome sled purchased from Capt. McAnderson with "North Star" outfit. Jimmy Memoganna informed us that the sled was taken by Fred Jacobsen to the latter's house at Cape Dalhousie this fall. The only sled which we have here is rather small to haul the stuff necessary for our trip to Dolphin and Union Straits with four men, and we need one sled for ship's use here.

Hauled sled today with the dog food, provisions, camp gear, etc. for the trip west, to be ready for an early start.

Cape Bathurst, (Baillie Island), N.W.T.

Nov. 1 (Sun.) (Bar. 29.40 Stand. -5. D.5).

Clear. Light SW wind. -2° at 9:00 a.m. Cloudy in afternoon. Wind stronger. Started south from ship at 10:00 a.m., with Aumont Castel, Ikey and Mike. Our sled (Davenport's home sled) and nine dogs:— Jack, Bob, Tip, Siwash, Charlie, Buster, Boss, Bruce and Akoak. Provisions 2 sacks flour, 25 lbs. hard bread, 2½ lbs. sugar, 36 lbs. pemmican, 2 lbs. tea, 1 pot cooked beans, dog food (200 lbs. Bear 100 lbs. Whale blubber. Two tents, and two stoves, intention to leave Ikey and Mike to hunt and fish near Kalvit or some place around Nicholson Island, while Castel and I go on to Cape Dalhousie.

Sun shining bright when we started, and set at 3:00 p.m. (one fair hours.

Reached Kutailarok sandspit 1:50 p.m.

Camped Umigō'vik sandspit 3:00 p.m. about one mile north of Tom Gordon's old house. Saw one White Fox on ice. Many Fox tracks and a few Bear tracks within a few miles of Baillie Island, but very few further south

Liverpool Bay, N.W.T.

Nov. 2 (11/07.) (Bar. 29.80. Standard, zero. D.S.).

Cloudy. Slight fog all day. Light SW. wind. On trail 10:00 a.m. Passed south end of sandspit (northwest extremity of Harrowby Bay) at 11:00 a.m. Kept along within sight of land for two or three miles then SSE across the bay. Very little roughice, only an occasional cake or small crush. As we approached Ikpisugyuk (the big bluff) Maitland Point, there appeared to be some large pressure ridges to west. Skirted a patch of young ice a few hundred yards across. Reached Maitland Point 1:50 p.m. Started to cross long sandspit a little SW of the point, but found it too broad, with sand under shallow soft snow, so backed out and went around inside of sandspit. Camped on sandspit 4:15 p.m. at Tuktuk (near old cylix) at point about five miles SW of Ikpisugyuk. No life seen today. Very few Fox tracks.

Liverpool Bay, N.W.T.

Nov. 3. (Tues.). (Bar 30.20. Stand. —5. D.S.).

Cloudy a.m. Sunshine from 10 to 11:30 a.m. Cloudy in afternoon. Fog and slight snowfall. Fairly strong SW breeze. Our trail 8:00 a.m. Followed coast along steep clay bluffs about 10 miles. Passed for a considerable distance over young ice which ran close up to the beach, with occasional rather large pressure ridges & blocks about 6 inches thick. Ice rather rough outside; some large floes of old ice. Passed rack at south end of high land at 10:45 a.m. (Imiliraluk:), about ten miles from Tuktoiat. Coast lower from here southward. Stopped for lunch 12—1:20 p.m. on low sandspit and made fire. Kept on going SE crossing a large bight running east. Got into very soft deep snow. Land appeared to be small rounded hills or islands. We could not see very far ahead on account of snow, but changed course to south. Passed between what appeared to be two high

Liverpool Bay, N.W.T.

Nov. 3 (Tues.) round islands. Snow kept getting deeper, and ice a thin crust over fine ice; fresh water ice, showing that we had got pretty well up into the Kugh (East mouth of Anderson River). The channel appeared to be about ¾ mile wide, with hills high on west side, so that we could not portage with our heavy load. Decided to turn back at 3:00 p.m., and came back to the island where we had entered and camped at 4:00 p.m. Found quite a quantity of dry spruce driftwood by kicking around in soft snow on tundra beach about one hundred yards back from the beach. Made outdoor fire and cooked much quicker than over our coal oil can stove.

Very few fox tracks seen today. Snowy Owl — one seen flying from bluffs a little south of Tuktoyaktuk in the morning.

Nicholson Island. Liverpool Bay.

Nov. 4. (Wed.)

(Bar. 30.25. Stand. -10. D.S.).

Clear. Light SW wind. A little past full moon. On trail 7:30 a.m. by moonlight, working to west around north side of island. Snow deep and soft. Crossed long sandspit, with rack on north East end (about 9:30 a.m. and headed across bay for high bluffs of northern point of Nicholson Island (about NW true). Traveled 7-8 miles over young ice (about 8 inches thick), thereby on top with a few small pressure ridges. Saw open water about a mile to north in one place. Bluffs 20-25 ft high along south side of this bay. Sighted four round dome-shaped hills south of the high part of Nicholson Island and changed course a little more to south (about West true). Camped on sandspit near south dome-shaped knoll. Rack at base of spit with a bundle of fox-traps and a box of tools and junk, also a stack of wood piled up. Little wood on spit. Saw a large

Nicholson Island, Liverpool Bay

Nov. 4 (Wed.) fresh bull Caribou antler on wood-pile, apparently killed this fall.

Camped at 2:00 p.m., in order to have time to climb up on the nearest high hill and look over the country. Saw no signs of life, except two or three Fox tracks. The snow is very deep down this way, and travel is very heavy and slow. At the present rate it will take us at least two weeks to go up to Dalhousie and back, and the work will be very wearing on our dogs. Besides, we have found no place where there is wood for more than two or three nights' camp, and we can not leave Hey and Mike without a sled since there is no wood. There seems to be no game here to hunt, and to take them on the long trip will use up our food too fast, besides having to haul extra camp-gear. Decided that it will be best not to spend any more

Nicholson Island. Liverpool Bay.

Nov. 4. (Wed.) time on the Cape Dalhousie trip, as the advantage of getting another sled will not repay for the additional delay in starting for the trip to Dolphin and Union Straits.

Nov. 5. (Thurs.) (Bar. 29.90. Stand. +5. D.S.). Clear. Light SW wind. On trail 10.15 a.m. and followed trail back to old camp and some old igloo ruins on south side of bay. Camped here at 1.30 p.m. in order to see if any fish could be caught. No success with either tom-cod or Connie hooks. Many graves here, some old (above ground), one recent (burial, sodded over, with post at end) inscribed "Timber: [December] 18, Aiketgiona". A few fox tracks. Many pieces of driftwood imbedded in bluff 10-12 ft. above sea level.

Cloudy in evening. Warmer.

Liverpool Bay N.W.T.

Nov. 6. (Fri.). (Bar. 29.90. Stand. +5. D.S.)

Warm. Two or three inches of snow during the night. Light SW wind. On trail 8:40 a.m. Reached old rack at end of spit and stopped for half an hour. Cut hole in ice and muddy salt water came up. Water about 5 ft. deep 50 yds from beach. No fish caught, so we moved on across the bay. Weather pretty thick, foggy, with light snow falling. Camped at old rack at Imiliraŭlik 1:30 p.m. Trail pretty heavy with soft, newly fallen snow.

Wind shifted to Easterly in afternoon. Calm at 5:00 p.m. Clear in evening, and colder.

No signs of life today.

Liverpool Bay. N.W.T.

Nov. 7. (Sat.) Bar. 30.20. Stand. – 20. D.S.)

Clear. Light N.W. wind. Wind more southwesterly in afternoon. Our trail 9:20 a.m. Reached old igloo at Tuktaiak sandspit 12:10 p.m. Crossed a wide tide crack near the beach and three or four dogs fell in, and sled nearly fell in also. Passed inside of the sandspit and reached Ikpisugyuk (Mailland Point) 1:35 p.m. Stopped for a little lunch. Hills on north side of Harrowby Bay faintly visible. Started across at 2:00 p.m. As we approached the land we had to swing around to west for 3-4 miles as we had struck too far inside. Camped at our old camp of Nov. 1st at 6:15 p.m. Very cold in evening. No signs of life today. The ice had been crushed up some near Mailland Point since we had passed there before.

Liverpool Bay, N.W.T.

Cape Bathurst

Nov. 8. (Sun.). (Bar. 30.20. Stand. – 31. the coldest day of the winter up to date: 25)

Clear. Very light breeze stirring from S.W. On trail 7:55 a.m. and reached the "Alaska" at Cape Bathurst at 1:20 p.m.

– 31° at 9:00 a.m. – 24° at 2:00 p.m. Considerable ice formed in our tent last night. It weighed 64 lbs. today as against 32 lbs. when we started out. This excluded two end poles and one ridge pole, weighing 20 lbs.

Arctic Foxes. – The two families of natives here started trapping foxes on Nov. 1st (a Sun) and have caught eighty-three (83) since that time. Most of them are brownish or blush and only four or five out of the lot would grade as even a passable poor skin in the market. Mr. Sweeney was up to the whales' carcass this morning and saw fourteen foxes in the steel traps. The weather is not cold enough to freeze them to death – and the natives say they would not take them out

Cape Bathurst (Baillie Island), N.W.T.

Nov. 8. (Sun.)

of the traps on Sunday, so the poor Foxes have to suffer until Monday morning. Sweeney saw one young Fox which was caught by the lower jaw and seemed to be in such agony that he killed it out of mercy.

" Polar Bear — John Algasinauk shot a Polar Bear which came up to the whale's carcass while he was attending to his traps Nov. 4th.

Cape Bathurst. (Baillie Island). N.W.T.

Nov. 9. (Mon.)

(Bar. 30.20. Stand. -20. D.S.).

Clear. Light S.W. wind. -20° at 9.00 a.m.

Polar Bear - Old Nanyavuk shot a large male Polar Bear which came up to the first Whale's Carcass about daybreak (about 240 yds. from ship). It was a large beast, measuring about nine feet in length. Stomach contained seal meat, blubber, intestines and trachea.

White Foxes - Nanyavuk caught five in five traps this morning - one fairly white skin, the others blush.

Cape Bathurst. (Baillie Island) N.W.T.

Nov. 10. (Tues.). (Bar-30.30. Stand. -18. D.S.).

Clear a.m. Cold. Cloudy in evening. Light east wind.

Eiders

Mike went out in the morning and found a small patch of open water at lead about half a mile off shore. He killed some Ducks there with .44 rifle out of a large flock which was in the water. They would have to drive away and kept coming back repeatedly. He brought back three Pacific Eiders (Somateria v-nigra), and went back to the open water with shotgun and seal bob. Sweeney went along, and together they got sixteen more ducks (four Pacific Eiders, six King Eiders (Somateria spectabilis) and three Old Squaws (Harelda hyemalis). All were females or young, and rather thin, though not emaciated. Stomachs of most of them were empty, although one contained a couple of mollusk shells.

White Fox - Foxes carried off two dead Ducks which the men had left on the ice while they went a little ways down the ice

Nov. 11. (Wed.). (Bar. 30.70. Stand.=18. D.S.).

Clear. Light SW. wind.

Polar Bear - Mike shot a large ♂ Polar Bear about a mile out on the ice. The bear was coming in shore and Mike hid behind an ice hummock until the Bear was about twenty yards away, and dropped him with a .44 bullet. Measured about nine feet in length.

Eider Ducks - Mike shot two Eider Ducks, and saw six in all, but lost them after shooting the Polar Bear.

White Foxes - The natives caught sixteen Foxes today. They say they have a total of 116 up to date since Nov. 1st.

Cape Bathurst. (Baillie Island). N.W.T.

Nov. 12. (Thurs.) Cloudy. Warmer. Light SW. wind. -1° F. at 9:00 a.m.

Bar. 30.15 Standard 18. D.S.

Polar Bears – Mike saw five Polar Bears on the ice just outside of the second whale's carcass, and shot four of them.

♂ adult. Measured ca. 9 ft.

♀ adult.

♂ juv.

♀ juv.

These Bears were shot about 9:30 a.m. In the evening, about 5:00 p.m. three Bears came up to the end of the sand-spit at village – about 200 yds from ship, and started to dig into one of the three caches of blackskin (muktuk) buried there. The dogs made an alarm, and some of the men chased the Bears for some distance. Mike fired several times, but it was too dark to shoot well, and he failed to hit anything. Bears are getting pretty numerous since the big ice came in.

Nov. 13. (Fri.) [Bar. 30.0 Stand. -15. O.S.]

Cloudy. Light SW. wind. -10° at 9:30 a.m. Clear in evening, and colder.

King Eider - one female flew in from the ice going low down, circled twice over boys who were cutting a hole in the ice and once around ship. Then out to sea again. Once she came so close that Inuk threw an axe at her.

White Foxes - John Angasinnaut's family caught 16 Foxes yesterday (some pretty good skins, hair white and fairly long). They caught 16 the day before, and 15 on the 18th. John says they now have "ingniingak pingasha kipsiak".

Today they caught 16 more. The old man Nangaunt catches also 4 or 5 more almost every day. They spend most of their time skinning Foxes now (or rather the woman does). Nangaunt offered Tom 30-30 cartridges (of which we are rather short) if some one from ship would clean his bear skin for him.

Cape Bathurst, (Baillie Island) N.W.T.

Nov. 13 (Fri.)

White Lemming (Dicrostonyx sp.) One was caught by natives on sandspit. White fluffy, with a grayish cast, like a Varying Hare, from dusky under fur showing through. B/30-17-19.

Nov. 14 (Sat.) (Bar. 30.40. Standard. -15. D.S.).

Cloudy a.m. -9° at 9:00 a.m. Strong SW. wind and snow drifting. Shifting to NW during day. Cleared up in evening. Colder. Brilliant aurora borealis and sky clear.

White Foxes - Natives caught only four or five today. They think the big ice must have moved off shore and the Foxes with it.

Cape Bathurst (Baillie Island) N.W.T.

Nov. 15. (Sun.) (Bar. 30.50. Stand. -20. D.S.).

Clear. Strong SW. wind. -20° at 9:00 a.m. Clear.

White Lemming (Dicrostonyx sp.) Mike caught one alive on sandspit.

#355. ♂ Dicrostonyx sp. 120-17-20.

Nov. 16. (Mon.) (Bar. 30.50. Standard -20. D.S.)

Clear. Calm. Light NW wind -25° at 9:00 a.m.

Natives catching very few Foxes

Weather very fine all day. Quite a bit of fresh-water ice hauled from icepond today.

Nov. 17 (Tues.) (Bar. 30.60. Stand. -20 Ds)

Clear. Calm. -24° at 9:00 a.m. -17° at 5:00 p.m. Light NE wind in evening.

Working all day preparing to start East tomorrow with Castel, Sallwair and Hay. One sled and seven dogs.

White Foxes - John Angmiarak caught about 20 Foxes today

Cape Bathurst. (Baillie Island). N.W.T.

Nov. 18 (Wed). (Bar. 30.0 Standard — 10 D.S.)

Cloudy. Strong NE Blizzard in morning and increasing during the day. -5° at 9:00 a.m. Snow drifting thickly. Storm worse towards evening.

I was rather sick all day — have had dull pain internally, about under the tip of sternum, for three days, and pain seems worse after eating. Tried on diet of milk tablets today to try to get straightened out to take the trail as soon as storm lets up.

Nov. 19 (Thurs. (Bar. 29.80. Stand. +2. D.S.).

Cloudy. Strong NE wind, but less strong than yesterday. Moderating towards afternoon and sky clearing a little. +2° F. at 1:30 p.m.

Dogs on beach had a general fight last evening, which nobody on the ship noticed, and which the natives did not take the trouble to stop, as their dogs were apparently not involved. Two of our best dogs dead this morning — Clarley with one leg nearly torn off and flanks

Nov. 19. (Thurs.) ripped open, and "Boss" with belly ripped open. All the other dogs had more or less blood on them, but none seemed to be injured. "Jack" had cut over eye and one ear chewed. All the dogs were loose this morning except "Charley" who was lying dead at the picket line.

Loaded sled preparatory to starting East tomorrow to the winter quarters of the remainder of the party in Dolphin and Union Straits.

Provisions taken:

Tent	54#	Flour 50 lb. sack	Split Peas, 16 lbs.
Axes	9	Sugar 18 lbs.	Lard 20 lbs.
Sleep. Bags	60	Baking Powder ½ lb.	Malted Milk 3 lbs.
4 Warsaws	48	Underwood pemmican	66 lbs (11 cans)
2 Rifles	18	(meat 53% Fat 35% Sugar 9% Fruit 3%)	
1 Shotgun	7	N.B. pemmican (dog)	9 Cans (144 lbs)
Ammunit.	10	Polar Bear meat	162 lbs.
Khotal Store	16	Whale blubber	50 lbs.
Coal Oil	22	1 sack Cooked beans (frozen)	24 lbs.
Stove	8	1 " doughnuts (160)	16 lbs.
Camera	4	Tent, stove, sleeping gear, 2 rifles, 1 shotgun	
Thermom.	1		
Grub Box	25		
Mail, &c.	12		
	294		
Grub	569½		
Total	863½ lbs		

Cape Bathurst (Baillie Island), N.W.T.

Nov. 20. (Fri.). (Bar. 29.80 Standard. zero. D.S.).

(At Bernard Harbour: Clear. W. 6. 5 p.m. Clear. Max. 0.0 Min. 19.4) Foggy after 2 p.m.

Cloudy. Light NE wind. Warmer +5° at 8:00 p.m. Started from schooner "Alaska" at 9:30 a.m. with Harmout Castel (sailing master of "North Star"), James Sullivan (cook, "Alaska"), and Ikey Bolt a Angatitsiak (Point Hope Eskimo), taking our sled (the "Davenport" basket sled, purchased at Teller, Alaska), and seven dogs: "Jack," "Bob," "Buster," "Tip," "Siwash," "Prince," and "Akvirk."

Reached Nuravik (little river about 8 miles east of Cape Bathurst) about 12:00 m. and stopped a few minutes for a light lunch. Some rough here and there but we zigzagged through it easily. Ice became rougher around Whale Bluff (Trail Point), and we were forced to make camp after dark, at 4:30 p.m. without wood, at mouth of a little gully a mile or two east of Whale Bluff. As night was warm we made

Nov. 20. (Fri.). ourselves very comfortable with primus stove in double tent. It would have been better to have camped at Little Whale Bluff (about 12 miles East of Baillie Island) where there was a little wood, but I hoped to reach Kuōrok Creek, about 3-4 miles East of Whale Bluff, the only good camping place between Baillie Island and Horton River. There is no driftwood between Kuorok and Horton River (Jgluluaiuit)

Snowy Owl saw one flying over the bluffs west of Whale Bluff.

Made about twenty miles today (fairly good time), as we had to go through some rough ice with pretty heavy sled load.

Franklin Bay, N.W.T. (Smoking Mts.)

Nov. 21. (Sat.) Cloudy a.m. Clear p.m. Wind very light, Easterly in morning, westerly in afternoon. + 3° at 8:00 a.m. − 6° at 4:00 p.m. On trail 8:40 a.m. Passed Kuorok Creek mouth 9:15 a.m. Passed the first smoking cliffs at 10:40 a.m. (about ½ mile west of Shimwak Creek); the thickest smoke coming out west of Fitton Point (passed 12:00 m.) [at about same spot which I photographed in June, 1912]. Lunch from 12:00 to 12:16 p.m. Met sled on trail at 1:00 p.m. (Jimmy Memorana and his wife Sinnekpiak) coming from Horton River on a trapping trip.

Jimmy is wintering with small H.B. Co's schooner at mouth of Horton River. He went a little past Horton River last September, trying to reach Cape Parry, but met too much ice beyond Horton River and sailed back.

Polar Bear - Jimmy shot a small Bear this morning near old Whale's carcass. Saw fresh Bear tracks on ice.

Nov. 21 (Sat.). White Fox – Saw one running along top of bluff for a mile or more, often stopping to look at us. Jimmy said that he and his boy have caught about one hundred foxes since they started trapping.

Ice rather rough off Smoking Mountains and we had to make many detours and pass through a number of pretty rough places. Camped at 3:40 p.m., as it was getting pretty dark and we feared breaking sled going through rough ice after dark. Camped about ten miles from Horton River, for the second time without wood.

(At Bernard Harbour: 9 a.m. Overcast 2 p.m. Clear. Max. – 2.8 Min. – 11.4)

Made camp at Jimmy's camp site of last night. Jimmy had hauled wood from Horton River for his night's camp. He said that ice was rough for some distance between here and Horton River

Franklin Bay (Horton River Sandspit).

Nov. 22. (Sun.). Cloudy in forenoon. Sky cleared a little towards noon. Calm in morning. Wind sprung up from NE towards noon, drifting snow a little. Wind fairly strong in afternoon and evening. On trail 8:40 a.m., while it was still a little dark. Ice pretty rough at first, but smooth inshore for 4–5 miles west of Horton River. Reached Capt. Fritz Wolki's old house at Horton River sandspit at 1:30 p.m. Inuing's family (mother and son, and George Bush, Eskimo boy) while in another house (built in 1912 by Fred Jacobson) was living Angasuaiuk, wife and child.

(At Bernard Harbour: 8 a.m. E 8 5 p.m. NE 20 Stg. Overcast. Lt. snow. Max. 0.0 Min. −20.0)

Arctic Fox – Inuing has caught 60, and David Piktoktauna 41. Angasuaiuk 22.

Polar Bear – Inuing has killed 1 last Jan.

Fish – a few Anarkhluk and Piktoktoak netted under ice in lake in early winter; none recently.

Ptarmigan – very few have been seen.

Franklin Bay, N.W.T.

Nov. 23. (Mon.). Clear. Calm. -11° at 11:30 a.m. On trail at 11:50 a.m. Were delayed a long time in morning by inability to get breakfast cooked with wet frozen wood. Reached east end of Horton River sandspit at 2:10 p.m. Very little wood here now, as most of it has been hauled up to the houses. Camped at 4:00 p.m. on a little stony beach, about six miles east of Horton River sandspit, near the first smoking cliffs east of the river. A little wood on this beach, about the first wood east of the river.

(at Bernard Harbour:

9 a.m. N 25 Mi/hr.

2 p.m. N 22 " Overcast.

Max. +0.5

Min. -9.0)

Franklin Bay. N.W.T.

Nov. 24 (Tues.). Clear. Very light air in morning, variable. Calm at noon. Light SW wind in evening. Colder. −14° at 8:00 a.m. −19° at 5:00 p.m. Moon in first quarter, the first time seen today; rose at 2:00 p.m. On trail 8:40 a.m. Ice rough in places.

Arctic Fox and Wolverine tracks — a few seen on snow covered ice. Reached Iglulik 11:40; pleisty wood and we made fire for lunch. On trail 12:45 p.m. Camped near portage route across mountains to Horton River, about 3:00 p.m. Plenty of good wood all along this stretch of coast; flat beach; mountains some distance back. Made about 18 miles today.

(At Bernard Harbour:
8 a.m. W 3 mar.
5:20 p.m. NW 3 "
Clear.
Max. − 7.0
Min. − 25.5)

Franklin Bay – Langton Bay.

Nov. 25. (Wed.) Clear. Very light North wind. 9. a.
–14° at 8:00 a.m. –19° at 7:00 p.m.
Clear all day. Very light SW wind in evening, scarcely noticeable
Our trail 8:30 a.m. to 6:40 p.m. Made nearly a straight line for Langton Bay across large bight at SW end of Franklin Bay. Ice smooth most of the way, a few small strips of rubble ice, a few tide cracks and a few large isolated floes.

Snowy Owl – saw one flying over.
Arctic Fox – a few tracks
Wolf and wolverine – a few tracks on ice.

No people at Langton Bay and apparently no one has been here this winter. No caches here. House open, both doors removed and partition wall and bunks taken out.

At Bernard Harbour:
8 a.m. W 4 St'g.
1:20 p.m. W 13 "
Max. – 17.0
Min. – 26.3)

Sullivan froze lower part of big toe and nipped other toes on one foot, and took it rather badly, making much fuss

Langton Bay. N.W.T.

Nov. 26. (Thurs.) Calm. Cold all day. −22° at 9:00 a.m. −19° at 2:30 p.m. Light. SW wind in evening.

On trail 10:20 a.m. Got a late start, owing to getting in late last night and having only a short run to make today to East end of Langton Bay. Smooth ice across western part of bay, but considerable rough old ice jammed into entrance of channels between islands at east end of bay. Quite a bit of wood on sandspits at east end of bay, much more wood than there was two years ago.

Camped at 2:30 p.m.

Arctic Fox - many tracks crossing Langton Bay, more than further up the coast.

Caribou - Saw tracks of four to six Caribou on recent snow-drifts at east end of Langton Bay.

(At Bernard Harbour:
8 a.m. W 15 s't'y.
5 p.m. W 13 "
Clear
Max. −14.5°
Min. −20.0°)

Langton Bay – Darnley Bay portage.

Nov. 27. (Fri.). Clear. Calm all day. – 25° at 8:00 a.m. – 23° at 5:00 p.m.

On trail 9:00 a.m. Crossed small lagoon, then across low hills, along long lake, then over a ridge of hills to NE, coming out on another deep saltwater bay. then followed sinuous course, in general E (NE. and SE.) over rounded hills. Camped on side of large lake 4:00 p.m.

Caribou.

On broad flat valley south west of lake, saw one Caribou, then another bunches of 12, 3, and 5, about half a mile apart. As it was getting late did not go after them.

Wolf – a few tracks seen

Arctic Fox – a few tracks seen.

Rock Ptarmigan – Saw a flock of seven or eight in a little patch of dwarf willows in a little valley. They were very wild, and I fired at them without success.

(At Bernard Harbour: 8 a.m. W 8 5°C
5:30 p.m. W 6 " Clear
Max. – 18.3
Min. – 22.0)

Darnley Bay Portage

Nov. 28. (Sat.). Clear in morning. Calm. -23° at 9:00 a.m. -3° at 5:00 p.m. +5° at 10:00 p.m. Slightly cloudy in afternoon and warmer. Light westerly breeze. Light fall of snow in evening. On trail 10:10 a.m. Crossed some low ridges to NE and reached the big lake about 1:30 p.m., having delayed about an hour and a half chasing Caribou.

Crossed last end of lake and reached the west side of the short portage across hills to Darnley Bay at 2:45 p.m. Reached top at 3:20 p.m. Camped on sandspit about a mile south of portage on Darnley Bay at 4:30 p.m. Very little wood on shore.

Rock Ptarmigan - saw a flock of about a dozen on low hills south of big lake, and chased them for some time. They were very wild and flew up every time before I could get within range

Darnley Bay Portage.

Nov. 28 (Sat.). Caribou — saw fresh Caribou tracks in large numbers Everywhere today, moving in all directions where the Caribou had been feeding. First saw through glasses a herd of perhaps fifty three or four miles away to North Westward, near big Lake, East of the one large conspicuous "mud volcano" Landmark on the edge of the flat land. Then a bunch of six were seen approaching us from the foothills of ridge along west side of Darnley Bay. They came within about 300 yards without taking alarm, but we waited too long and they veered off and we missed all shots. Soon saw another herd of twenty, and another of twenty-eight in same direction and Castel and I went after them. It was dead calm and pretty cold, so that the deer heard us before we could get within range, and became scared and scattered, running about in different

Darnley Bay Portage.

Nov. 28. (Sat.) direction. Ground was not broken enough to afford much cover. One bunch of seven came within about 250 yards of me, and I wounded one. It squatted on its haunches, with forelegs projecting forward, and began coughing. I thought it was mortally wounded and began firing at the others. The wounded one soon jumped up and followed the others, as lively as the best, and I could not overtake them. They made off to the southwest. During this chase, three Caribou came within 100 yards of the sled, but the two men who was staying by the sled and dogs, had no rifle with them.

(At Bernard Harbour:
8 a.m. — 0.
5 p.m. 5 2 on.
Clear.
Max. — 18.0
Min. — 27.0)

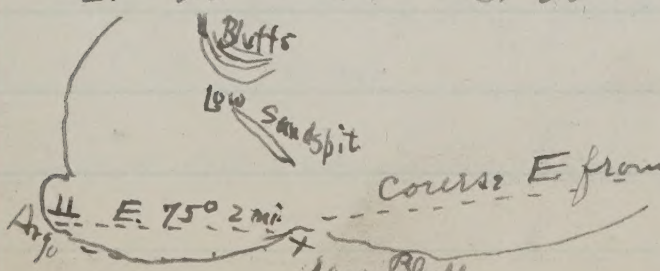
Darnley Bay, N.W.T.

Nov. 29. (Sun.) Clear. +2° at 9:00 a.m. Light SE wind. On trail 9:55 a.m. Waited for broad daylight, so as not to miss finding the yawl "Argo" with which Red Arey and "Scotty" McIntyre are supposed to be wintering in this region. Headed across the small bay for a rock which we could see but after going about a mile saw the vessel in a little bight at the extreme SW corner of Darnley Bay. Reached vessel at 10:45 and found nobody there. There was a small sailcloth covered house on the beach, closed up. Sled-tracks, not very recent, led up the coast towards Cape Parry.

Took photos of Argo, half drawn up on beach.

#1. "Argo of Chicago." Darnley Bay. 8 1/25 - Cloudy. 10:45 a.m.

#2. do. #3. do.



Darnley Bay, N.W.T.

Nov. 29 (Sun). Ice smooth all along south side of Darnley Bay; occasional frozen-over tide-cracks, with little pressure ridges. Camped at south end of long sand-spit, at southern end of large river delta on southeast side of bay, after travelling about 15 miles. A small amount of wood here. Camped at 2:30 p.m.

+6° at 4:00 p.m. Light breeze, variable, first SE, then NE, S, W, then South again.

Very few fox tracks seen today. Finished today the last of the Polar Bear meat (162 lbs) taken from Baillie Island.

(At Bernard Harbour:
8 a.m. S. 1 var.
7 p.m. SE 2 "
clear:
Max. -19.0
Min. -27.2).

Darnley Bay, N.W.T.

Nov. 30. (Mon.). Clear in morning. Strong wind started up from SW at 4:00 a.m. Wind pretty strong at 9:30 a.m., and snow drifting thickly along the ground when we started to cross river delta, inside the outer sandspits. Hills faintly visible at times. Wind hauled to SE, and kept getting stronger, so that at times we could scarcely see more than a hundred yards. Dogs smelled a camp and we hauled inshore, finding a rock cache, and a whaleboat hauled up on the beach, apparently Christian Klingenberg's. Much small driftwood here, a few logs and roots and considerable large willow driftwood. As the blizzard was so thick we decided to camp here, at 1:30 p.m. A very few fox tracks seen in morning. Started feeding dog pemmican. +1° at 9:00 a.m. Saw one old Polar Bear track today.

At Bernard Harbour: 8 a.m. SE 8 Stg
5:20 p.m. SSE 11
Max. -1.6
Min. -23.2)

Darnley Bay. N.W.T.

Dec. 1. (Tues.) Clear. Blyzard continues from SE, but moderated a little in the evening. -3° at noon. Remained in camp all day, only going out to hustle a little wood. (At Bernard Harbour: 8 a.m. E 10 s't'y. 5'20 p.m. E 9 s't'y. Clear. Max. -0.5 Min. -12.2).

Dec. 2. (Wed.) Clear sky. Blyzard all day. +2° at noon. In tent all day; Keeping comfortable, although tent flapped considerably. Kept "Jack" and "Siwash" inside tent at night, the former being short-haired, and the latter sick. "Siwash" has swellings on sides and refuses to eat anything.

(At Bernard Harbour): 8.00 a.m. SSE 6 vel. 5.20 p.m. SE 19 vel. Clear. Max. +2.1 Min. -15.6).

Darnley Bay, N.W.T.

Dec. 3. (Thurs.) Slightly cloudy. Blizzard continuing from SE. has been blowing steadily for 80 hours (up to noon), an unusually long blow. Snow drifting thickly. Wind squally all last night, which made us think that storm was breaking up. In camp all day. (At Bernard Harbour: 8 a.m. SE 5 var. 5 p.m. SE 7 var. Mar. -4.5 Min. -15.0 Clear).

Dec. 4. (Fri.) Cloudy. Wind moderated a little, and has shifted to SW, and snow is not drifting very thickly. +6° at 9:00 a.m. +9° at 5:00 p.m. On trail 9:30 a.m. following camp. Passed Eskimo house, rack, and umiak about an hour later (Wiksruk, wife, Tuklik and child, formerly of Flaxman Island 1908-1909; came in here on "Algo" in 1912). Wiksruk said that Klengenberg was camped about one day's travel farther north. He had some Caribou meat but had killed none lately. We kept on, travelling fast with strong wind behind us,

Darnley Bay. N.W.T.

Dec. 4 (Fri.). along flats and bars at mouth of a large river. The weather was getting a little thick, and we found ourselves on grassy ground, and soon among narrow channels and willows 6–7 feet high. Saw on large flock of Ptarmigan. In order to get out of the river struck west and got on sea ice again in about an hour. Land nearly bare in places, and many gravel bars impassable, owing to snow being blown off. Black "water sky" all along, not far from shore. Wind hauled a little more to West in late afternoon, more moderate than in morning. Crossed bay 3–4 miles wide, and working through some pretty rough ice about dark, camped at 7:30 on low tide flat spit. Considerable wood but most of it was heavy and water logged. Heard dog howling in evening not very far away.

(At Bernard Harbour:
8 a.m. SE 8 mi. SW 13 sty.
5 p.m.
Snow began 8 p.m.
Mer. 11.6
Min. −3.3)

Darnley Bay. N.W.T.

Dec. 5. (Sat.). Sleet during night and outside of tent pretty icy in the morning. Light S.W. wind. Calm. Clear in afternoon. +13° at 9:00 a.m. +6° at 4:00 p.m. On trail 8:40 a.m., just at daylight. Shortly after starting out met a woman and child with a sled (Mrs. Klingenberg - going back with Wittstock's dog team which had followed us up last night), and we reached Capt. Klingenberg's schooner scow at 9:00 a.m. This is his second winter at this place. He wintered in Liverpool Bay 1911-1912, and at Booth Island 1912-1913. He has his wife and three small children here now, and a larger boy and girl are living at Pierce Point. Klingenberg got some tea and ammunition from the "Teddy Bear" last summer; says he has had no flour for nine months, but has been living well on his rifle. He had some seal meat and a little Caribou meat

Darnley Bay, N.W.T.

Dec. 5. (Sat).

on hand:

Caribou - Klingenberg and his family killed fifty-two Caribou last fall, mostly around Peice Point, but a few up the large river near here. Eskimos also got a few Caribou.

Polar Bears - One killed here this fall and three near Peice Point.

Arctic Foxes - Very abundant here early in the fall. Klingenberg says he saw as many as a hundred in one day, but as the skins were dark, he did not begin trapping until about December.

Arctic Hares - fairly common around here, and Klingenberg has killed about twenty this fall. He uses the skins to make slippers, worn over deerskin socks, with hair turned out, inside of deerskin boots. He says these skin socks are very warm and durable.

There is a short portage route from here (about 16 miles) to Peice Point.

Darnley Bay N.W.T.

Dec. 5. (Sat.) going over a low place in coast hills at north end of sandspit, then along a large lake about ten miles, and down a valley to the coast. Following the coast around Cape Lyon, he says the distance is 30-35 miles. He said he would go across with us tomorrow and show us the trail if the weather is good. Mrs. Klingenberg made repairs on clothing and boots for all of us today.

Rivers- The river near here is rather short, but had large willows for some distance.

The next river to the south is larger, has a course of about 60 miles through rough, rocky country- about 30 miles inland in straight line. It passes through one deep rock Canyon. Big willows on this river also.

Klingenberg says that the "Aigo" people got very few Caribou on

Darnley Bay, N.W.T.

Dec 5. (Sat.). Seals last winter and little fresh meat of any kind, and both Arey and McIntyre had scurvy pretty badly, so that their legs were black and swollen.

Klingenberg told some stories of the Eskimos of Victoria Island, where he wintered with schooner "Olga", at Cape Kendall (Bell Island) in 1905-1906. He calls the tribe there "Nuna Katiks" (nuna Katiga = my countrymen) as he says the natives gave themselves that name.

(At Bernard Harbour: 8 a.m. W. 10 var. overcast. 5.30 p.m. W. 10 s't'y. Clearing. Max. 11.6. Min. -3.3)

Darnley Bay, N.W.T.

Dec. 6 (Sat.). Clear. Strong SSW wind, and snow drifting along the ground. It was a little too thick weather on the hills to try the overland portage, so we followed the coast. On trail 8:50 a.m., and travelled fast with fair wind pushing us along. Considerable wood on beach here and there. Reached little bight just south of Cape Lyon at 2:10 p.m., and made a portage of about three miles across a low neck of land between the high rocky Cape and the high rocky ridge south of it. Followed around shore of shallow bay, with smooth ice. Open water within half a mile of shore here. Rough ice close to the rock precipices at the next point east, and we worked through rough ice and over young ice until we passed the point with pinnacle rock, just off shore, with a chain of small islands running to Eastward. Found smooth

Darnley Bay – Cape Lyon – Pierce Point

Dec. 6. (Sun.) ice inside of the islands and reached our cache near Pierce Point at 6:15 p.m. Capt. Klingenberg's young son Patsy and daughter have a house near our cache and we stayed with them. They had recently built a new house, as while they were out sealing one day the old house burned up, destroying all their clothing, about forty Caribou skins and eight fox skins.

Rock Ptarmigan – saw four or five on sandspit near Klingenberg's house.

Raven – saw one just south of Cape Lyon.

Polar Bear – fresh tracks of large bear – on young ice East of Cape Lyon.

Seals – Patsy and Edud Klingenberg shot two in open lead off Pierce Point yesterday.

Barren Ground Bear – The Klingenbergs said that last fall they saw an Albert approaching our cache, but it ran away when they approached.

Pierce Point, N.W.T.

Dec. 6. (Sun.) Capt. Klingenberg warned us against putting sugar in the same cache with other food, as the Brown Bear would smell it and destroy the cache. Gallagher Grey shot a Barren Ground Bear on Carnley Bay last year.

Game scores here this fall.

	Patsy	Edna.
Polar Bear	1	2.
Arctic Fox	6	11.
Caribou	21	6.
Seal	3	2
Arctic Hare	15	3.
Wolverine	1.	

Wolverine - One got into Capt. Klingenberg's trap the other day and carried off the trap. He asked us to tell Patsy to keep an eye open for it and yesterday Patsy killed the Wolverine near here.

At Bernard Harbour:
6 a.m. S 7 bar.
2 p.m. SSW 8.
Overcast; thick.
Max. + 0.6
Min. - 14.2)

Pierce Point, N.W.T.

Dec. 7. (Mon.) Cloudy all day. Wind strong, from SSW., snow drifting high, too thick weather to travel: +8° at 9:00 a.m.

Overhauled cache and took for Drift 1 sack flour (50 lbs.), 40 lbs biscuit, 2 tins baking powder. 30 lbs. sugar, 4 gals. coal oil.

Got from Klingenbags 2 pemmican tins full of seal blubber (about 30 lbs.)

Left on our rack 1 sack flour (50 lbs.) about 90 lbs sugar, ½ lb. tin baking powder; and at foot of rack one small galvanized iron can containing about 1 gallon of coal oil.

Sky clear in evening; snow drifting along the ground but not very high.

Had some more repairing done on our boots today.

(At Bernard Harbour: 8 a.m. W 46 s't'y. Dense drift 5:20 p.m. WSW 27 s't'y. Moderating.

Max. — Min. −3.5°).

Pierce Point, N.W.T.

Dec. 8. (Tues.) Cloudy. Thick weather. SSW gale, and snow drifting high in the air, but not so bad as yesterday. +18° at 9:a.m. +20° at 4:00 p.m. Snow wet and sticky in afternoon. Howling gale in late afternoon and evening. On trail 9:5° a.m., along spit, and lagoon and through fjords around Pierce Point and along coast. Snow drifting so thickly that we could not see much. Ice rough for about 2 miles along coast, smoother further east; occasional old floes. Crossed long narrow rocky spit, with plenty wood, running out to rocky islands. Camped 2:30 p.m., having travelled about 16 miles. Made camp on ice in slight shelter of bank, as wind was blowing so strong over the bank that we could hardly stand against it. Clothing and boots pretty wet from snow melting on them.

At Bernard Harbour:
8 a.m. SE 3 mi
2 p.m. SW. 35 mi
West 13.2
Mini +1.1, - This blew strong from SE 10 a.m. to 1 p.m. at 3 p.m. changed to SW and at 8:30 p.m. was blowing 50 mi. per hr. J.R.C.)

Pierce Point. N.W.T.

Dec. 9. (Wed.)

Clear in morning. Very light S.S.W wind. Cloudy after 10:00 a.m. +15° at 9:00 a.m. Outrad 9:50 a.m. Wind soon blew up strong again from S.S.W; a gale at noon, and snow drifting so thickly we could see but a few yards. Kept going fair wind and struck wood-covered sandspit. Camped at 12:00 m, having gone about 7 miles. Some isolated large floes here and there. Ice rough near points. Wind W.N.W at 4:00 p.m. Open water within ½ mile of beach in places, and lead continuous, pressure ridges inside. Found very old schooner's rudder on beach near camp, also whale vertebrae.

Dogs were fighting about 2:30 a.m. and Jack (trader) was missing in morning. Spent about an hour looking for him, then went ahead. Found him about a mile ahead of our camp, lying down in rough ice, with head cut and one paw bitten through. He was able to follow sled during the day.

Arctic fox tracks numerous on the ice

(At Bernard Harbour:
8 a.m. W 36 Stg
5:20 p.m. W 33 "
Blizzard.
Max. +26.
Min. +11.0)

Keats Point, N.W.T.

Dec. 10. (Thurs) Cloudy. +12° at 8:00 a.m. Light west winds. Clear in morning +11° at 4:00 p.m. On trail 8:50 a.m. As land appeared low between rocky point ahead and the high land to southward, we decided to make a portage behind the point. Ascended a gentle slope and travelled a mile or two along a long lake, then came out behind a long driftwood covered sandspit. Kept along behind sandspit (ice being rough outside). Crossed another low spit, and travelled about two miles on a long deep fresh water lake. At 11:15 a.m., behind Keats Point, we met a sled coming out from behind a rocky point. Messrs. Kenneth G. Chipman and J. J. O'Neill had been camped there for six days on account of blizzard with head winds. They had left winter quarters at Bernard Harbour in Dolphin and Union Straits on Nov. 18th. They reported everything going well

St Bernard Harbour: 7 a.m. W 7 mi. 3:20 p.m. N 9 " Overcast. Max. 18. Min. 9.6)

Keats Point, N.W.T.

Dec. 10. (THURS.) at the winter quarters. Messrs. Cox, Johansen, Jenness and Paliuyuk were remaining at the winter quarters. A house had been built, and enough wood collected to last until Christmas. About thirty Seals had been killed, but very few Caribou, as the big migration from Victoria Island had not passed near them. Chipmans and O'Neill had made some small caches of provisions at various points along the line for their return trip. Their intention had been to make a reconnaissance along the coast as far as our Peice Point cache, but when they met us turned around and we all started East.

Camped at 1:30 p.m. in a little bight between two rocky points about four miles west of Point Dease Thompson. Plenty of good wood; large seasoned spars. Saw a short Eskimo sled runner, but it might have been cast up by waves.

Point Deas Thompson, N.W.T.

Dec. 11. (Fri.) Clear morning. Light South wind. Moon past third quarter. 0° at 9:00 a.m. +1° at 3:00 p.m.

Chipman and O'Neill informed us that we would find wood for camping purposes all the way to the Straits, and that they had not used their Primus stove once. Accordingly we cached here about 3 gallons of coal oil in a red 5-gal. tin, underneath a high stack of driftwood, in light about four miles west of Point Deas Thompson.

On trail 9:25 a.m. Found thin young ice, extending for a mile or more, close in to the rocky point at Deas Thompson. This had been solid when Chipman and O'Neill passed a week ago. Small rocky islands and limestone reefs at Point Deas Thompson. When we struck the young ice at 10:45 a.m., we had to go back a short distance and ascend a small gully to make

Point Deas Thompson, Amundsen Gulf

Dec. 11. (Fri.)

a detour inland behind the point Snow very hard packed on upland, and only a few bare spots, so we made good time. Worked down to the coast 11:30 a.m. beyond the young ice, and found smooth travelling following the curve of the bay. Camped on long spit 2:30 p.m.; plenty wood. Light SE wind until 1:00 p.m. Breeze freshened, so that snow drifted thickly along the ground in afternoon. Clear in evening.

Polar Bear - old tracks on upland back of Point Deas Thompson.

Weasel - tracks on upland.

Lemming - track on upland.

Ptarmigan - fresh tracks on hills.

Wolverine - saw one running on young ice about half a mile ahead.

Arctic Fox - a few tracks.

(at Bernard Harbour: 8 a.m. SE 7 s't'y. 5:30 p.m. SE 7 s't'y. Clear.
Max. 11.2 Min. -12.6 Heavy fog p.m.)

Point DeWitt Clinton, Amundsen Gulf.

Dec. 12. (Sat.) Light snowfall during night. +14° at 8:00 a.m. Calm. Light SW wind started a little after 8:00 a.m., and weather turned Cloudy and warmer. +15° at 12:00 m. +17° at 5:00 p.m. Cloudy all day. Light snow in morning. On trail 9:15 a.m. (just daylight enough to travel). Passed Chipman's cold camp 10:10 a.m., on long spit (driftwood). Passed stony point just west of the conspicuous tableland at 11:15 a.m. We have heretofore considered this as the landmark of Point Dease Thompson, but it appears to be about halfway between Dease Thompson and Point De Witt Clinton. It is apparently two or three miles back from the coast, flat-topped, and shows up prominently from both East and West sides. Some driftwood on this point, but not a great deal. Passed tableland at 12:00 m., and stopped for lunch. O'Neill tried a time Exposure.

Point DeWitt Clinton, Amundsen Gulf.

Dec. 12. (Sat.). Passed point west of Point DeWitt Clinton at 1:20 p.m., and reached the series of high limestone cliffs at DeWitt Clinton at 2:30 p.m. Found young ice in close to beach, leaving only a narrow shelf of old cakes and sloping drifts of deep snow under the cliffs, soft and almost impassable in spots, and in other places hard and sloping so much that we had trouble to keep sleds from slipping or sloughing off into water or young ice. Chipman and O'Neill's old trail was completely covered by a very rough mass of crushed up new ice. We managed to get around some pretty ticklish places by cutting grooves for upper sled runners, and five men supporting one sled at a time. Struck a stony little bight at 3:45 (after dark), with considerable good wood, and were very glad to camp as the going was pretty precarious

Dec. 12, (Sat.) in the dark. Good seasoned wood here high up on the rocks, some long spars.

Limestone bluffs here are about 1½ miles long, and 50-60 feet high.

(at Bernard Harbour: 8 a.m. E 20 S'tly. overcast. 5 p.m. NW 13 S'tly. Max. 9.1. Min. -14.2).

Dec. 13. (Sun.) Clear a.m. Light Southerly breeze. Warm +21° at 8:00 a.m. +18° at 4:00 p.m. Light SW wind, increasing in strength all day. SE gale in evening, nearly blowing away the tent. On trail 9:30 a.m., found trail seemed almost impassable along foot of bluffs, so I scouted ahead about a quarter of a mile, and got out on young ice, which I found strong enough to bear us up, as it was composed of large blocks cemented together. Took sleds over this young ice to East end of bluffs,

Amundsen Gulf, N.W.T.

Dec. 13. (Sun). a distance of about half a mile, then followed along the edge of a low beach, where we found a pretty good narrow road between rough shore ice and the bare gravel beach. Passed Chipman's old camp 11:50 a.m. along long low spits and across a river mouth. Wood scattered everywhere along spits. Open water within 100 to 500 yards of beach all day. Camped at 3:00 p.m. having made about twenty miles, running nearly all day.

Snowy Owl - saw one flying over.

(At Bernard Harbour: 8 a.m. W. 9 s't'g. ~~[illegible]~~ s't'g.
5 20 p.m. SSW 17 s't'g. Clearing.
Max. 18.1 Min. 2.7.)

Amundsen Gulf, N.W.T. (Point Tinney)

Dec. 14 (Mon.) Clear. Brisk SW wind. Calm in evening. +17° at 9:00 a.m. +18° at 4:00 p.m. On trail 9:45 a.m. to 2:30 p.m. making about 20 miles — at about a five mile gait, running on hard snow and ice along the beach with strong wind pushing us behind. Along low shingly beach; wood all along. Passed one low rocky point (conglomerate [O'Neill]), and two small river mouths. Open water close in shore most of the way. Sea ice dirty and gritty on surface so we made better time travelling over hard snow and small hummocky ice along the beach, although there was a comparatively smooth lead a little way from shore, most of the way. Probably passed Point Tinney today, although it is not very well marked.

Wolf — fresh wolf tracks followed the beach for several miles today.

(at Bernard Harbour: Sun. W. 20 S'ly. 5 p.m. W. 24. " Clear. Max. 20.8 Min. 8.7)

Amundsen Gulf. (Croker River). N.W.T.

Dec. 15. (Tues). Clear. Light southerly air in morning. Calm in forenoon. In afternoon very light and variable, NW, SW, East, west all night. Light snowfall in night. +5° at 8:00 a.m. +10° at 12 m. +11° at 4:00 p.m.

On trail

Passed mouth of fairly large river, broad valley. River had overflowed ice in several Channels, and flowed out over sea ice for some distance; apparently Croker River. It is the largest river, to all appearances, along this coast. A conspicuous high, pointed mountain peak (Mt. Davy) visible to SE most of the day. It seems to be the highest mountain in this range.

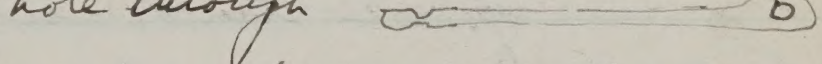
Passed Chipman and O'Neill's cache. Aboard this We took one tin (6 lbs.) of Underwood pemmican, leaving in its place 1 can (16 lbs.) of H.B. dog pemmican.

Amundsen Gulf (Croker River) N.W.T.

Dec. 15 (Tues.) Left at this cache, one box containing about 20 lbs. Ramsay's biscuit (½ box), and 18 lbs. of cracked (dog) rice; two tins (32 lbs.) of H.B. pemmican, marked by stack of driftwood.

Wood more scarce along here, and mostly rotten. The wood nearest to the beach is usually the best, while on the second beach line, fifty or one hundred yards back, the wood seems to be very old, and usually very light from dry rot.

Found at camp what Hikey said was a doctor's [conjuror's wand, used in tying-up sleuces], about 3 ft. long with a hole through one end and a deep notch cut around the smaller end; pretty old and much weathered.



(At Bernard Harbour: 8 a.m. NW 14 S'tly. 5 20 p.m. S. 5 var. Max. 16.6. Min. 0.°
Dense fog-mist all day.)

Amundsen Gulf (Point Clifton) N.W.T.

Dec. 16. (Wed.)

Cloudy at 7:00 a.m. Warm + 23° at 8:30 a.m. Light snow falling. + 24° at 5:00 p.m.

On trail 9:40 a.m. Rounded what seemed to be Point Clifton, a rather low rounded strip of coast, beyond which the coast makes a decided bend to southward. Cut across bay passing some steep rock cliffs in south part of bay with what appeared to be a river valley west of them (Inman River). Light was not very good today. Mt. Davy visible to westward 40 miles. Headed for high point ahead, but it got dark, and strong WEST wind starting up, we struck inside the point, camping on a low tide flat, where there appeared to be considerable wood. Most of it proved to be water-logged and half-buried in fine sand, so that we had difficulty in getting enough to camp with. Cloudy in evening. Snow drifting thickly.

(At Bernard Harbour:
8 a.m. W 10 stly
5:30 p.m. W 10 ..
Max. 20.
Min. −3.5)

Amundsen Gulf (Wise Point), N.W.T.

Dec. 17. (Thurs.) Clear at 7:00 a.m. Wind moderate from S.W. Tents were pretty well drifted in, as we had camped close to a low bank. Our shovel was buried in the snow in the morning and although we spent some time sinking shafts in search for it, we had to give up the search.

+17° at 8:30 a.m. +9° at 2:00 p.m.

Gale started up from west about 8:00 a.m.. On trail 10:30 a.m. with west gale; Cloudy; snow drifting thickly. We were camped apparently on river flats. Plenty good wood all along rocky, stony beach, from ¼ mi. to East Camp and further along. Deep slush all along shore from large tide crack close to beach (high tide from west wind) and we had to run along the beach most of the way to the point. Followed around another small bay (scattered, rough ice floes close in shore; smooth ice outside. Reached steep, limestone cliffs (100 to 125 ft.

Amundsen Gulf (Wise Point) N.W.T.

Dec 17. (Thurs.) high), mural precipices, at 12:00 m. and stopped for lunch. (Point Wise). Kept on around the point and camped at 1:30 p.m. at Chipman and O'Neill's old Camp on a long high stony spit, in a little bight about 1½ miles east of the cliffs. Plenty of large sticks of good seasoned wood on beach. There is another rocky cliff point two or three miles ahead, and projecting further out another cliff about ten miles ahead (the most Eastern coast precipice of this stretch of coast). A fringe of rough ice along the shore, but smooth ice outside. Travelled about nine miles today. Polar Bear – some old tracks on bank west of Wise Point.

(At Bernard Harbour:
8 a.m. NW 24 St'g.
5:30 p.m. NW 30 "
Max. + 23.0
Min. + 7.3.
Snowstorm started suddenly ca. 1:30 p.m. Reached its maximum (ca. 50 mi. per hr.) then decreased).

Dec. 18. (Fri.). Cloudy. Light S. wind. Light snow falling. +14° at 9:10 a.m. +9° at 2:00 p.m. On trail 10:20 a.m.. A violent gale suddenly started up from NW (true) about half an hour later. The wind was nearly fair, and we tried to keep going, but weather was so thick that we could hardly keep sleds in touch with each other and with man ahead, so turned inshore. Soon struck low sandspit with wood and camped. Made snow wall to windward of tent. Thick blizzard and snow almost blinding at times. Clear overhead at intervals

(At Bernard Harbour: 8 a.m. S 13 mas. 5:20 p.m. WNW 33 stj. Max. 11.0 Min. −0.7° Cloud with snowdrift increasing during day; Snow began falling around noon, going over to a blizzard, the latter lasting during the day).

Amundsen Gulf. (Wise Point). N.W.T.

Dec. 19. (Sat.) Blizzard all day, from NW. Clear a little at intervals. Colder. -14° at noon. Barometer rising. In camp all day, as weather was too thick to travel. Improved time by putting patches on soles of nearly all our boots (usually two on each boot, heel and toe). I have worn one pair of deerleg boots with ugyut soles most of the trip, and have only one hole in heel, although other heel and balls of feet are getting thin. A pair of new deerskin soled boots was worn through in four places in three days' wear, and a pair of mooseskin moccasins played out in three days' wear. Moccasins were very comfortable and "light-running" while they lasted. Mr. Chipman had worn a pair of R.N.W.M.P. cowhide moccasins almost continuously for 300 miles without having them give out.

(at Bernard Harbour): 8 a.m. NW 26 St'g. 5 20 p.m. W. 17 St'g. Showing Max +2.2 Min. -18.

Amundsen Gulf (Wise Point to east) N.W.T.

Dec. 20 (Sun.) Clear Light NW wind Cold
-20° at 9:00 a.m. -20° at 4:00 p.m.
Dug our tents out of the drifted snow and started late, 9:45 a.m. Reached a rocky point (the last mural precipice), about 10-12 miles East of Wise Point, at 12:25. Camped at 2:25 p.m. on long spit about five miles further East.

Hawk - saw a large Hawk, probably a Gyrfalcon flying along top of rock cliff, and alighting on high point.

Arctic Fox - tracks fairly numerous.

Polar Bear - old tracks on ice

Moon visible for first time today, about 2nd or 3rd day.

(At Bernard Harbour: 8 a.m. W 17 s't'y. 5:20 p.m. W. 14 s't'y. Clear Max. -1.2 Min. -22.5).

Amundsen Gulf (Young Point) N.W.T.

Dec. 21. (Mon.) Clear. No signs of daylight at 6:30 a.m. Rosy in east at 7:45 a.m. On trail 9:20 a.m. Made fairly good time (10-12 miles) and reached south side of a rather high stone and boulder point, with considerable cairn wood, at 12:25 p.m. (apparently west side of Young Point) Kept on around point, finding fairly smooth going between the rough old ice heaped all along the beach and the high pressure ridge of young ice blocks (about 2 ft. thick) which follows all the way around the point from 100 to 300 yards off shore. Reached Chipman and O'Neill Cache at 1:40 p.m. and camped. Took up everything at this cache 6 lbs. Underwood pemmican, 16 lbs H.B. pemmican, 18 lbs rice, 6 lbs biscuit, 1 gal. cod oil.

(At Bernard Harbour: 8 a.m. W 13 5'ty. 5 p.m. W 8 " Clear. Max. -21.0 Min. -26.0)

-19° at 9:00 a.m. -21° at 3:00 p.m.

A few fox tracks around cache. Plenty of good driftwood on rocky beach

Dec. 22 (Tues.) Clear all day. Light NW wind in morning. — 25° at 9:00 a.m. — 26° at 4:00 p.m. Light westerly air stirring. On trail 9:05 a.m. (stopped for lunch 12:00 — 12:30 p.m.), making a pretty straight course across bay (Stapylton Bay). Chipman and O'Neill had followed mixed ice on East side and gone further down into the bay, but by keeping more nearly straight ahead, we gained considerable, camping 2½ hours East of C. & O.'s camp. Smooth ice nearly all the way, occasional strips of small cakes of rough ice, and only about half a mile of rather rough ice as we approached Hope Point (a rather low stony point with a conspicuous high, flat-topped ridge a little distance back from the point (a landmark from West side of Stapylton Bay. Some wood on point, also an old oaken ship's davit. Victoria Island in sight this afternoon. Saw a few fox trails

St Bernard Harbour:
9 a.m. W 11 stg.
2 p.m. W 16 "
Clear
Max. — 23.1
Min. — 27.0)

Amundsen Gulf (South Bay - Cape Bexley).

Dec. 23. (Wed.) Clear. Light SW. breeze. +26° at 8:30 a.m. +18° at 4:00 p.m. On track 9:10 a.m., rounded point, and kept going east following the coast for several miles, inside of rather rough pressure ridges. The continuous coast of Victoria Island was in sight all day, but somewhat distorted at times by mirage. No "water sky" visible. Later we headed a little north to strike point of Cape Bexley, where Chipman and O'Neill had camped. Reached Cape Bexley at 12:00 M. and found an Eskimo snow-house village, deserted. - eight houses (i.e. two double houses and four single houses). The people had evidently come from the south along the coast, camped here one night, gone on this morning, just around the point, and thence straight (north) out on the ice in the direction of Victoria Island

Dec. 23 (Wed.) The houses were scarcely melted at all inside, so the Eskimos must have been short of blubber for fuel (probably just came from inland). One double house was about fifty yards north of the others, one double and three single houses in a close bunch, and a single house about 150 yards south, away from the bunch. Two of the houses were merely set back to back without any connecting passage. Reached cache made by Mr. J.R. Cox and Mr. D. Jennes at 2:00 p.m. on high bank about five miles East of Cape Bexley (5 cans - 80 lbs in all - of N.B. pemmican). Took two tins (32 lbs) of pemmican from this cache, leaving 3 tins (48 lbs). High pressure ridges along shore, but we found fairly good travelling on snowshoes on flats. Crossed a small flat bay and camped on point about four miles East of Cache 3:05 p.m. Found plenty of small wood on rocks.

Dolphin and Union Strait.
~~Amundsen Gulf~~ (Cape Bexley). N.W.T.

Dec. 23. (Wed.) light SW. wind (faintly stirring air in afternoon. Tolerable about 5:00 p.m. (from North and Northwest). Gusty in the night (from S.W.)

Our tent (Chipman & O'Neill "Alpine" tent – green tanalite with light lining is very warm. When cooking with full stove, we usually have to strip to the waist, and perspiration runs down in streams. It sags and flops a little in a gale but the wind does not penetrate. The Baillie Island double wall tent of white drill is not quite so warm, but the inner tent is usually dry. The steam goes through and mostly condenses on outside of outer tent, and the ice and frost can be mostly beaten off in the morning.

(At Bernard Harbour: 8 a.m. W 15 Sky 5 p.m. WSW 6 Sky. Clear. Wind Gusty and variable. Max. -14.0 Min. -26.1.

[Eskimos from Sutton Island told us that the people who camped at Cape Bexley were Akuliakattagmiut, who came to Liston and Sutton Islands after the sun comes back.]

Dec. 24. (Thurs.) Clear at 3:00 a.m. Very light wind. -40° at 9:00 a.m. -7° at 4:00 p.m. Wind NW, light in forenoon, fairly strong in afternoon and snow drifting. Cloudy and dark most of the day. Our trail 9:00 a.m. followed the coast pretty closely, but made short cuts across some shallow bights. The heavy pressure ridge seems to run across from point to point, jamming up against the beach for some distance around each projecting point. Chipman and O'Neill made slow progress along this part of the coast, as there was little snow on the gravel beach, and they had to work through rough ice, chopping a road in some places. We are making much better time now, as we get fairly smooth going across the small bays where there was young ice recently, and at the points we go inside the rough and find pretty good sledging along the hard snow-

Dolphin and Union Strait.
~~Amundsen Gulf~~ (West of Cockburn Point)

Dec. 24. (Thurs.)

banks which drift down, sloping from the high gravel and stony beach. The snow is usually packed hard as ice just at the edge of the beach drift and the edge of the shore ice. The coast is very barren here — a series of beach lines or benches of gravel and stones of varying sizes, which seem to be practically with no vegetation. Hills back from coast seem to be low. Some wood all along here.

We tried hard to reach home (Bernard Harbor) today, but weather was thick and dark in afternoon so we got little help from moonlight. Cut across small bay and ran into a deep bight, and had to go back, against head wind and snow about half a mile. Camped at 3:00 p.m. on steep gravel bank which proved to be the west end of Cockburn Point.

(at Bernard Harbour:
8 a.m. W 17 sl'y
5 p.m. W 14 "
Clear.
Max. — 6.0
Min. — 17.1)
Light drift all day).

Dolphin and Union Strait.

Cockburn Point to Bernard Harbor.

Dec. 25. (Fri.) Cloudy. Light SE wind.
-3° at 6.00 a.m. +1° at 9:00 a.m.
Wind SW in evening. Colder. Wind 23 miles.
On trail 9:25 a.m., and a few minutes later, on rounding the point (west end of Cockburn Point) found Clipman & O'Neill's old camp. Found smooth ice along outside of shore pressure ridge until we approached East of Cockburn Point (about three miles to Eastward). Then we passed inside the ridge and passed the point at 10:20 a.m.

8 a.m. SE 7 var.

5:20 p.m.
8 p.m. SW 28 s'ty.
Max. +3.0
Min. -11.0
Lunar halo.

There is a series of heavy pressure ridges along the small islands off the East end of Cockburn Point, and smooth ice inside of the bay all the way to Bernard Harbor.

The cliffs of Liston and Sutton Islands visible after rounding East end of Cockburn Point. Chantry Island, ahead, appears like part of the mainland, but a straight line for the low depression behind it led us

Bernard Harbor (Dolphin and Union Strait).

Dec. 25 (Friday) in a nearly straight line to the entrance to the Harbor. Met Mr. John R. Cox about a mile west of the Harbor, and found that all members of the party (Cox, Johansen, Jennes, and Palaiyuk) were at home and well. Reached home 12:30 p.m.

The six men left here had built a frame house 12'x16', 9'6" high, 7'4" ends, covered and roofed with sod (tar paper under roof sod); with store room as a hall, built of boxes for walls and roofed with sail cloth. Some stores in tents which were erected before we left last fall. House is well lighted by large double window on south side and small windows on north side. Some coal was burned in the fall, but quite a bit of driftwood was piled up on Chantry Island and to the westward, and some wood hauled home. Wood has been burned in the house most of the time. Coal on hand now estimated to be sufficient

Dec. 25 (Fri). for one stove the remainder of the winter.

Harbor froze over on night of Oct. 16th. Hauled up anchor of "North Star" Oct. 17th, and walked all over harbor. Partly open outside. Little entrance did not freeze until. Straits out- Oct. 22nd ice to eastward about halfway across to Liston Island; clear to westward.

Young ice in harbor Oct. 14th, but they broke ice with skin boat and put "North Star" anchor up and down. Straits outside free from ice - no floating ice.

Oct. 28th - open water west of Liston Island. Travel along coast was not yet feasible. Oct. 31st - Open water two miles off shore; Palaijun. shot two seals but south wind carried them off. Seals were killed for several days later.

Fish-nets in bay during fall sometimes caught one or two Salmon Trout, seldom more; some days none. Usually averaged one fish meal a day from nets.

Dolphin and Union Strait (Bernard Harbor).

Dec. 25. (Fri.)

On Nov. 3rd. Cox and Jennes started with sled to westward to make a reconnaissance and to leave a cache of provisions. They had no trouble until they reached a point about five miles east of Cape Bexley where they found a large pressure ridge up against the beach, and open water extending indefinitely to the westward. They returned after caching five lbs (88 lbs) of pemmican.

Game killed at Bernard Harbor and vicinity — from Sept. 6th to Oct. 6th.

18 Seals. 3 Caribou (none later)
1 Arctic Hare. 30 Ptarmigan.
13 Ducks. The last Seal was killed Nov. 4th.

Eskimos — After the "Alaska" went west, four men came to the ship Sept. 6th, and the next day two women and two children. They soon moved to the fishing place a few miles to the eastward. They made

Dec. 25. (Fri.) occasional visits to the winter quarters. On Sept. 27th, fourteen Eskimos came over (some of the first visitors and some of the second lot). On Nov. 26th, Mr. D. Jennes went across to Liston and Sutton Islands where some Eskimos were hunting Seals. From there he crossed in a northeast direction (about 24 miles) to Victoria Island where there was a large Camp of Eskimos in a little fjord of Lowton Bay. These Eskimos were living on dried fish and Caribou meat, and getting ready to move out on the ice for Sealing. (New Caribou skin clothes must be worn on the ~~land~~ ice, wearing new Caribou skin garments or cooking Caribou or fish meat is taboo & white on the ice. They had plenty of Caribou meat and Mr. Jennes bought a quantity, returning on Dec. 1st.

The local Eskimos moved to the Coast

Dec. 25. (Fri.)

on Sept. 10th. Some more came from the East Nov. 27th. Most of the people around here are Nowahomiumit. Quite a colony are now supposed to be at Liston and Sutton Islands. The people who were hunting in the fall on the southern coast of Victoria Island expected to go there and they also expected the Ketuliakattegmiut to come also about the time the sun comes back. The Ketuliakattegmiut were hunting in the region south of Napylton Bay last summer, and it was undoubtedly one of their villages we saw on Dec 23rd.

Mr. Jenness says that the Eskimos on the Victoria Island side are apparently less trustworthy than those around here; more thievish and they are inveterate beggars. They also demand payment for every trifling service rendered, or for food eaten in their houses

Dec. 25. (Fri.). Caribou — The natives whom Mr. Jenness saw in Victoria Island said that the Straits froze over very late this fall, and that the Caribou were very numerous along the shores of Simpson Bay all fall, and that they killed many, mostly with bows and arrows. A few had rifles (1 45-70 Winchester, 1 .303 Savage, and some .30-30's and .44's), but little ammunition. As the Caribou could not cross at this place, one of their favorite migration routes, on account of the open water they kept moving East, and probably crossed East of the Copper-mine River.

These Eskimos had a few Muskox skins, which they said were traded from the Nunivaktoymiut, who lived in southern Victoria Island, and some Polar Bear skins from the Kangmaligmiut of Prince Albert Sound.

Dolphin and Union Strait (Bernard Harbor)

Dec. 25- (Fri.)

Barren Ground Bear- One came here in September with one thumb bitten off in a recent fight with an Ekluk. The thumb was dressed up and eventually healed. The Bear was killed by the Eskimos later.

Dolphin and Union Strait (Bernard Harbor).

Dec. 26. (Sat).
8:00 a.m. NW 7.
5:30 p.m. W 13.
Max. + 0.4
Min. −22.°
Snowing. Wind 22 m.p.h. at noon.
Aurora at midnight.

Cloudy. Wind S.W. Snow drifting a little. −23°
Started construction of snow house over wall tent, to accommodate two men, as well as to cook dogfood in.

Dec. 27. (Sun).
8 a.m. W. 16.
5:30 p.m. W. 12.
Max. −17.5
Min. −26.4
Aurora Brilliant in evening.

Clear. Wind SW. Snow drifting all day. −24° Very light wind in evening.

Dolphin and Union Strait (Bernard Harbor).

Dec. 28 (Mon.)
8 a.m. W. 6.
5.20 p.m. W. 2.
Max. -14.
Min. -23.

Clear. Light westerly wind.

Dec. 29. (Tues.)
8 a.m. SW 5
5.20 p.m. W 5.
Max. - 15.
Min. -25.5

Clear. Cold. Cloudy in evening. Boys hauled in two loads of wood. Arctic Fox - Palaiyuk caught one in trap. Johansen one.

Dec. 30. (Wed.)
8 a.m. W 2
2 p.m. NW 3
Max. +6.8
Min. – 25.1

Clear. Calm. – 16° at noon. Mr. Cox caught one Arctic Fox in traps.

Eskimos:– Several Eskimos, about a dozen, including three women and two or three children, came over today from Oka'ri'it (the village on Liston and Sutton Islands). Some of them had been here before, but some were from Victoria Island. The oldest woman, who was a very loud and voluble talker, was the only who had seen me before, in June 1911, when Capt. Joe Bernard and I visited a camp near Gray's Bay, about 100 miles east of mouth of Coppermine River. She said that her husband at that time (named), had since died, and she now has another husband, Ikpakhrak, a middle-aged man with a fair bunch of chin whiskers (a Puiblermint). The house was crowded full

Dec. 30. (Wed.) all day, and they were quite a nuisance at times, begging for things, and meddling with everything in sight. As they expected to go back to-morrow, and Mr. Jenness is to accompany them, we could not very well be inhospitable and be very severe with them. Had them build a large snow house for the night and loaned them a stone lamp and blubber for the same. They had plenty of Caribou and Seal meat and dried fish with them, and also ate more or less in the house. They ate greedily of any kind of white men's food which was offered them, but as most of them had been around the "Teddy Bear" more or less for two seasons their tastes had probably been cultivated. Mr. Jenness did some trading for Ethnological specimens, and for clothing. Mr. Jenness has been doing all the trading

Dec. 30. (Wed.) for the Expedition during the fall and on the whole has bought articles rather cheaply. He has obtained several stone lamps and pots, bows, quivers, arrows, clothing, and most of the household and other implements. Fur Coats of all sizes have been in good demand, and they have also been anxious to get Cartridges and matches. These Eskimos were very well clothed, and have a good supply of Caribou skins. They have a few fox skins which they want to trade but we have refused to buy any skins.

They have a good many copper implements, knives, ice picks, spears, &c, but are rather vague as to where it comes from. Some is from the mainland east of the Coppermine and some from Victoria Island, from what we could learn.

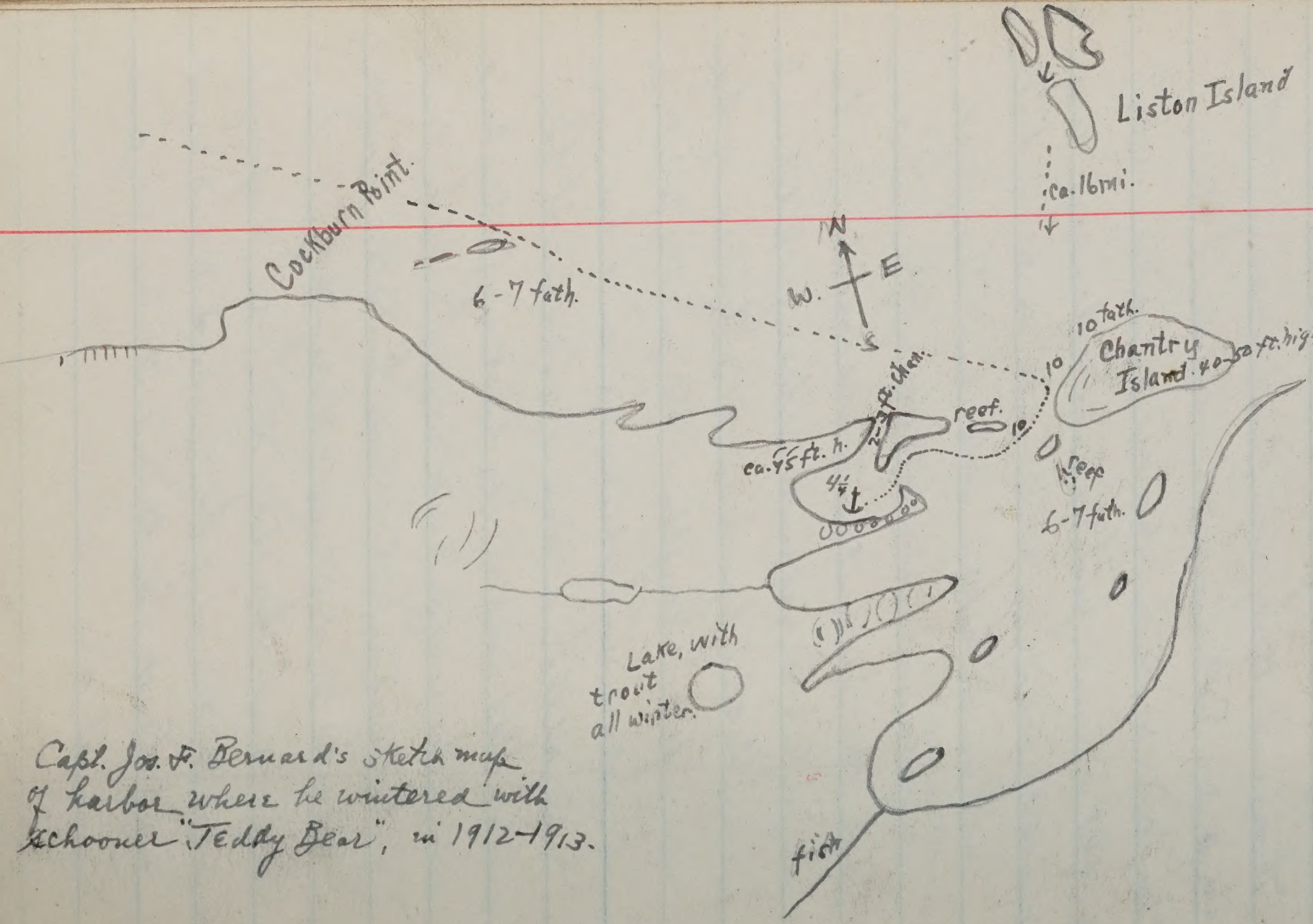
Dolphin and Union Strait. (Bernard Harbor)

Dec. 30 (Wed.)

About fifty pounds of dried fish were bought from our Eskimo and a few from others. It is very difficult to make a trade with them for a quantity of anything, as they never to consider a deal finished after making a trade for a number of fish for a stipulated price (and paid down) the man would ask for a little more pay after counting out a few fish. That being refused, he would count out a few more, and say that was enough. They never seemed abashed by refusal of exorbitant requests, and merely smiled good-naturedly when rebuffed. They seem to think that nothing is lost by asking for anything in sight, and that there is always a chance of getting what they ask for. To him that asks shall be given

Dec. 31. (Thurs.)
8 a.m. W. 3
12 p.m. 0.
Max. +4.8
Min. −15.0

Cloudy. Warmer. Calm. Southerly wind in evening. The Eskimos who arrived here yesterday packed up and went home ~~yesterday~~ today. Mr. Jennes and Palmiyuk went with them - to Liston and Sutton Islands. These people have more dogs than the natives further east. The old man had five dogs in his team, hitched to the sled by individual traces of different lengths. He wanted to sell one dog which he and his wife declared was a wonder at both sled work and packing; they said he could pack nearly a whole full Caribou (which seemed rather doubtful, as the dog was not very large. To make his story strong, he disparaged another dog, which he did not want to sell, as he said it was no good at all.



Capt. Jos. F. Bernard's sketch map of harbor where he wintered with schooner "Teddy Bear", in 1912-1913.

1915.

Dolphin and Union Strait (Bernard Harbor).

Jan. 1. (Fri.)
8 a.m. 0.
do. SE 10.
Max. +5.5
Min. +2.0

Cloudy Calm + 4° at 8:00 a.m.
East wind in evening.
Arctic Fox - Mr. Cox caught two foxes today.

Dolphin and Union Strait (Bernard Harbor)

Jan. 2. (Sat.)
8 a.m. E 8
5:20 p.m. E 12
Max. +5.2
Min. −9.3

Sky cleared a little. Colder. −6° at 8:00 a.m. Wind East. −9° at 12:00 M. −6° at 5:00 p.m. Cloudy all day. Working on addition to house — an extension for galley and mess-room. At last end of the house proper we have a large room built of packing cases, with snow walls outside and canvas roof. Inside of this we are putting a framework 12 feet long by 8 feet wide, which will be covered with canvas on sides and roof. Floor boards. An upper and lower bunk at East end for the cook and one other man.

Dolphin and Union Strait (Bernard Harbor)

Jan. 3. (Sun.)
8 a.m. E 4
5 p.m. N 7.
Max. +2.
Min. -5.8.

Cloudy. Warmer. Slight fog and snow.

Snowing heavily in morning, lighter towards evening.

Jan. 4. (Mon.)
8 a.m. NE 8.5
5 p.m. E 10.6
Max. +0.5
Min. -9.5.

Cloudy and hazy. Wind Northeast

Mr. Jenness and Palaiyuk returned from Okallit. Mr. Jenness brought in addition to specimens purchased for Ethnological specimens, clothing as follows (large garments or made-to order).

4 prs. long deerskin socks. 4 prs. slippers (seal)
4 " " mittens 2 prs. deerskin pants
2 " short " 1 deerskin Coat.
1 " Caribou " 1 pr. sealskin boots.
1 coil Ugyuk line.

Also about 150 lbs. of Caribou meat.

Light snow flurries during the day

Dolphin and Union Strait. (Bernard Harbor).

Jan. 5. (Tues.) Slightly clear — 20° at 1:00 p.m. Johansen hauled a load of wood. Arctic Fox — O'Neill caught one.

8 a.m. SE 8
5:30 p.m. SE 8.
Max. — 8.
Min. — 21.
Clear on eastern horizon.

Jan. 6. (Wed.) Clear. Calm. — 23° at 10:00 a.m. — 27° at 1:00 p.m. — 25° at 5:00 p.m. Dug out the set of curved tent poles and set them up to measure size of cloth required for a round dome-shaped tent (Alaskan Eskimo style).

8 a.m. SE 5.5
5:30 p.m. 0.
Max. — 10
Min. — 19.
Snowing.

Dolphin and Union Strait (Bernard Harbor.)

Jan. 7. (Thurs.)
8 a.m. W. 6.
5-20 p.m. 0.
Max. — 10
Min. — 31.

Overcast. Lower clouds cirro-stratus .6 Light wind in morning. Calm in evening

Jan. 8. (Fri.)
8 a.m. 0.
5-20 p.m. 0.
Max. — 21.
Min. — 31.

Clouds cirro-stratus .3 Calm all day. Clear in North.

Dolphin and Union Strait (Bernard Harbor).

Jan. 9. (Sat.)
8 a.m. NE 3.
5 p.m. NW 3.
Max. -13.
Min. -29.

Clear. Cold. -32° at 5:00 p.m.
Arctic Hare - fresh tracks seen today on island east of harbor.
Light snow flurries during the day.

Jan. 10. (Sun.)
8 a.m. W 12 strong.
5 p.m. W 7 "
Max. -13 (?).
Min. -41.1

Clear. Light southwest winds.

Jan. 11. (Note). Clear. Calm. Min. Temp. -44°
-35° at noon.

8 a.m. S 6 3 Var.
5:20 p.m. S 4 "
Max. (frozen).
Min. -43.5

Eskimos. Three came across from Liston Island with sled today, and five dogs. One middle-aged man named Huputaun, one boy about 16-18 yrs old, named Kiiktpuk, and another younger boy. They brought a letter from D. Jennes dated "Ukallik, Jan. 5. Letter stated that he had bought about 150-200 lbs. deermeat, about 100 fish, and a seal, some of which he intended to take with him and go west the next day, with two natives to visit the tribes further west (Haneragmiut and Akulia Kattugmiut), leaving Palaejut at Ukallik to try to catch some seals in the rawhide sealnet. Jennes had also arranged to buy about 60 lbs. more deermeat and another seal. As he had more stuff

Jan. 11 (Mon.)

on hand, including Ethnological specimens, then he could bring back bones on his return trip, he asked to send the big sled over to get some of the stuff. He stated that the place is nearly worked out for clothing, except sealskin slippers. The chief things used in trade were 2½ boxes primers, 2 canisters powder (1 lb.), 1 bar lead, 2 boxes .44 and 3 boxes .30-30 cartridges, 3 flour bowls, 2 tin saucepans, 4 fathoms Calico, and six pairs overalls (made here by Ikey). He says the overalls were in great demand, but they were all rather small to go over their big caribou skin breeches.

The people who came over today were better behaved than the last bunch, and did not meddle with things so much. They had brought out some dried fish

Jan. 11. (Mon.)

and two Seals to sell, as well as a quantity of implements. Referred them to Mr. Jenness for purchase of Ethnological material. He has had the pick of it anyway, and they only bring it over here to get better bids.

Bought two Seals for one box of fifty .44 W.C.F. cartridges. (Mr. Jenness had bought one for half a box. Hupatauw had a very large "gasoline" seal which he sold for 30 cartridges and Kirkput a small seal which he sold for 20 cartridges.

Bought from Hupatauw a sealskin bag of dried (boneless and headless) Lake Trout (Caught on Victoria Island) 37 fish, weighing 45 lbs — for fifty .44 cartridges. He considered the bunch of fish, and I think justly, as being of more value than one Seal.

Bought from Kirkput, ten dried fish for ten cartridges.

Dolphin and Union Strait (Bernard Harbour)

Jan 14 (Mon). 1 large sealskin packing bag for five cartridges, and a wooden bowl (mended with copper rivets) for ten cartridges.

Also from Angutaun a pair of deerskin boots (or outer stockings) with a pair sealskin slippers to match them. Which he said his father had sent over to exchange for a trap. Gave him a No 1½ trap for same.

The Eskimos were apparently pleased with Gramophone music, but became very much excited when we put on an Eskimo song (Record made by Palaiyak). They recognized Palaiyak's voice and understood the song, but were mystified greatly because they had left Palaiyak at Liston Island, about sixteen miles away, this morning

Dolphin and Union Strait (Bernard Harbor)

Jan. 12 (Tues.) Clear. Calm. Min. Temp. -40° F.
-35° at 9:00 a.m. -30° at 12:00 m.
8 a.m. N 2 Var. Cloudy in evening. Light westerly
5:30 p.m. W 7 sty wind.
Max. (frozen) Eskimos returned to Liston Island.
Min. -40.0 They went with them, taking
Snow and snow-drifts started late in evening the big sled and seven dogs, intending to stay over night with Palaiyuk and return tomorrow with a sled load of stuff.

Jan. 13. (Wed.) Cloudy. Light snow. -14° at 8:00 a.m.
8 a.m. W. 8 sty. They returned from Liston Island with
5:30 p.m. W. 9 " a sled load of meat and fish, 2 seals,
Max. -14.0 (2) and a bundle of clothing.
Min. -31.2 Seal - Palaiyuk caught a large male Seal (fetid odor) in net yesterday.
They said that the men who were here told everybody of hearing Palaiyuk's voice at our camp, and as the others knew that he was at the village at the same time, Palaiyuk's reputation as an angakok (doctor

Jan. 13 (Wed.) or sorcerer), which was considerable already, has been greatly enhanced. He had cured one man with a sore leg, by faith cure. Catching a seal in net, which is a new thing to them, will also help his standing. They said that he had a glimpse of the sun today for the first time, standing on the sea ice. He said that Palaiyak had seen it a day or two before at the island.

Jan. 14. (Thurs.) Cloudy. Light west wind. −14° at 8:00 a.m. Sky cleared a little towards midday, and southern horizon bright at noon, above layer of clouds.

8 a.m. W 10 St. y
5 20 p.m. W 5 "
Max. − 15.
Min. − 27.3.

Dolphin and Union Strait (Bernard Harbor.)

Jan. 15 (Fri.) Clear. -30°

8 a.m. W 10 5/10 4 p.m. SW 2 var. Max -15 (?) Min. -31.0

Sun visible from hill back of house, but not from level of house on account of hills to south. Mr. Jenness and Palaiyuk returned from the islands this evening in company with four Eskimos. Kaiyanna a man ca 40-45 yrs, his young married daughter ca 14-15 (wife of Kiirktput); Ikilliak, young man ca. 25; and a little girl named Kanaiyok ca 9-10 yrs old. Mr Jenness had spent but two or three days among the Hanerakmut and Akulia Kattagmut, who are near the land (Victoria Island) about north of Sutton Island. He returned from this village sooner than expected because the natives were a little short of food and he was also. The Eskimos on the Islands are getting fair numbers of Seals Some Caribou meat and two Seals were brought back

Dolphin and Union Strait (Bernard Harbor)

Jan. 16 (Sat.)

8 a.m. E 7 var.

5.20 p.m. W 8 st'y.

Max. -18.0

Min. -33.0

Calm - 29° at noon - 30° at 5 p.m. Light westerly wind in evening. Eskimos stayed over today, and did a little sewing. They stayed in snowhouse tent. In the evening Kaiorama and the woman and girl sang each a song into the recording gramophone and were much excited and apparently pleased to hear it reproduced. Kaiorama looked rather apprehensive when Mr. Jenness showed him one cylinder marked "Kiirama" another "Kunajoto" etc. Tuk seemed relieved when told that he also had Pulaijut and Mr. Johansen bottled up in other cylinders.

Arctic Foxes - none have been caught for some time and no fresh tracks seen.

Dolphin and Union Strait (Bernard Harbor)

Jan. 17. (Sun.) Clear. Very light SW wind about two or three miles per hour.

8 a.m. SE 4 var.
2 p.m. N 10
Max. – 19.0
Min. – 34.1

Jan. 18. (Mon.) Cloudy. Cold. NE wind. Snow drifting. Clearing at 3:00 p.m. Moderate drift at 5 p.m.

8 a.m. E 15 s.t.y.
2 p.m. E 13 "
Max. – 17.2
Min. – 21.0

Dolphin and Union Strait (Bernard Harbor).

Jan. 19. (Tues.)
8 a.m. E 4 st'y
5 p.m. E 2 •
Max. -19.
Min. -29.

Clear a.m. Sunshine from 11:00 a.m. to 1:00 p.m. Light NE wind Cloudy in afternoon Clear again in the evening. Mr. Jensen and Pulanjuk went north to the islands to complete some tracks and make anthropological measurement

Jan. 20. (Wed.)
8 a.m. N 7 var.
5 p.m. W 9 st'y
Max. -20.
Min. -30

Clear. Wind west. -29° at 9:00 a.m.

Dolphin and Union Strait (Bernard Harbor)

Jan. 21. (Thurs.) Clear. Light SW wind. Snow drifting. -17°.

8 a.m. W 11 5th p.m. W 15 Max. -17. Min. -28.4

Mr. Jennes and Palaiyuk returned from the islands, bringing some specimens, etc.

Arctic Hare - Mr. Jennes brought back one caught in a fox trap by natives on the most northern (Voltz's Island) Putū'lik of the Liston and Sutton Islands (Ukattik).

♂ Lepus arcticus canus 607-97-185.

Seals - Eskimos at the islands are getting a fair number of seals

Dolphin and Union Strait (Bernard Harbor)

Jan. 22. (Fri.) Clear. Strong west wind. Snow drifting. −29° at 8:00 a.m.

8 a.m. W 13 sl'y.

5:20 p.m. NW 18 "

Max. −21.1

Min. −29.7

Jan. 23. (Sat.) Blizzard. Snow drifting thickly from the west. −25°

8 a.m. NW 31 sl'y.

5:20 p.m. NW 30 "

Max. −16.8

Min. −22.0

Jan. 24. (Sun.)
8 a.m. NW 24.
Noon N 16.
Max. -19
Min. -23.

Blizzard from west. -19° at 8:00 a.m. Wind and snow drifting moderated towards noon. Calm in afternoon. Light East wind in evening.

Aurora borealis - Brilliant aurora; very variable, consisting mostly of shifting vertical moving patches, principally in the east. Color varied greatly in intensity, rosy red at bottom, shading into orange and green. Went into the house and came out a few minutes later, but bright colors had disappeared, showing only the usual yellowish or greenish tint. Rosy tints were observed again shortly afterwards. There has been some argument here about the colors, and this is the first time I have seen a pronounced reddish light. The colors are very shifty and evanescent.

Dolphin and Union Strait (Bernard Harbor).

Jan. 25. (Mon.)
8 a.m. W 3.
5 p.m. W. 6.
Max. −23
Min. −38

Clear. Light west wind. −34°

Jan. 26. (Tues.)
8 a.m. W. 9.25
5 p.m. NW 18.5
Max. −24
Min. −34
Lunar halo.

Cloudy. Light west wind. −25½°, at 8:00 a.m. Wind fairly strong (west) in afternoon and evening and snow drifting some. Arctic Fox — O'Neill caught a very large ♂ Fox, very fat; weighed 12 lbs. L. 875 — 295 — 148.

Dolphin and Union Strait (Bernard Harbor).

Jan. 27. (Wed.) Cloudy. Strong NW. wind. −25° at 5:00 p.m. Clear evening. Snow drifting heavily.

8 a.m. W 12
5:20 p.m. NW 18.7
Max. −24.
Min. −30.

Jan. 28. (Thurs.) Clear. Light west wind. −39° at 8:00 a.m. Sun rose at 9:50 a.m. Det 2:20 p.m. Light drifting

8 a.m. NW 13.5
5:20 p.m. NW 15
Max. −25.
Min. −39.

Dolphin and Union Strait (Bernard Harbor).

Jan. 29. (Fri.). Clear. Light W.N.W. wind. −42° at 8:00 a.m. −43.8 at 5:00 p.m.

8 a.m. W. 6

5 p.m. W.S.W.

Max. −39.

Min. −43.8

Jan. 30. (Sat.). Clear. Fairly strong west wind. Cold and dark. Fairly strong west wind. −48 at 8:00 a.m.

8 a.m. W. 13.3

5 p.m. W. 14.4

Max. −40.5

Min. −46.

−40° at 11:00 p.m. Wind 1¼ miles per hour.

Dolphin and Union Strait (Bernard Harbour)

Jan. 31. (Sun.).

8 a.m. W. 8
5 p.m. W 4
Max. – 37.3
Min. – 46.0

Clear. Light wind wind. – 39° at 8:00 a.m. – 35° at 2:00 p.m. Pottery out stores for Fort Norman trip. Mr. Raymond Castel and I are going with the mail, one toboggan. Mr. Jenness, Mr. Johansen and Palaiyuk are going along as far as the first tree (Mac. Norther on the Coppermine River, to make a cache for our return trip. Mr. Johansen expects to make some topographical investigations near the tree line, and they also hope to find Caribou there. Mr. Jenness hopes to find some Esquimos enroute, either at Rae River, mouth of Coppermine River, or around Cape Krusenstern, collect ethnological specimens, and buy dogs. They take one sled and one toboggan. Got out stores as follows for both parties. division to be made according to circumstances later.

Dog food.

Rice Brown Japanese	100	lbs
H.B. pemmican (2 tins	192	
Dried fish (Salmon Trout)	101	
1 Seal	193½	lbs
	586	

Dolphin and Union Strait, (Bernard Harbour)

Jan. 31. (Sun.)	Total Stores taken out for trip,	lbs.
	Hard Biscuit (Ramsay's) 2 boxes	100
	Sugar (2 boxes Cube) 32#	
	1 sack Granulated 28#	60
	Pemmican (Underwood's),	72
	Lard (4 pails)	40
	Beans, white	20
	Peas, Mavis	30
	Rice, white polished	80.
	Oatmeal	15
	Raisins	16
	Chocolate (Kootenay)	20.
	Cocoa	2
	Salt	2½
	Pepper (1 can)	¼
	Tea (Tabloid) 150 tablets,	
	and 1 box Saxmi	3
	Coffee, 2 cans	2
	Borden's Malted Milk 1 can	10
	Horlicks Malted Milk	4
	1 sack Cooked, frozen Lemon 8#	
	1 " doughnuts (190) 20#	

Dolphin and Union Strait (Bernard Harbor)

Feb. 1. (Mon).
8 a.m. SE 3
5 p.m. SE 8.
Max. −35.°
Min. −41.3.

Clear all day. Light East wind. −40° at 8:00 a.m. Sky overcast in morning. −35 at 5:00 p.m.

Took photos around Camp. with 3A.

205. #5. House (winter quarters) from SE. 8-$\frac{+}{50}$- B.S. 12:00 M.

206. #6. do from ~~E~~

Sun obscured. 1:00 p.m.

~~207~~. #7. Spoiled. Blank.

207
~~208~~. #8. Schr. "North Star, C.G.S." in the ice. Bernard Harbor..

8-$\frac{+}{50}$- Cloudy. Bright. 1:00 p.m.

208
~~209~~. #9. Dog house (Brown house built by Palaiyuk). do.

209.
~~210~~. #10. Grub Cache and Store tents C.H.E. Bernard Harbor.

Spent forenoon weighing equipments and equalizing sled loads

Large toboggan:

Gunny (Beans, pem. Rice, &c.	98
Dog Rice (Brown Jap.) Gunny	100
H.B. pemmican	192
Underwood pemmican	48
Ramsay Biscuit (box)	50
5 pr. Snowshoes	488.

Dolphin and Union Strait (Bernard Harbour)

Feb. 1. (Mon.)

Mr. Jennes' Sled. (Home sled) 5 dogs.

Seal (part of a 215 lb Seal)	152 lbs
Coal oil (2 cans)	44.
Primus Stove (small)	14
Whale Stove	17½
Traps. (6 #4.)	18.
Stores and grub box	68.
V. Johansen, Collecting boxes	30.
Tent (Alpine). double with poles	36
Bedding (Sleeping bag and Skins)	68.
Guns, (2 .30-30 Rifles, 1 Shotgun)	24.
Stove and pipe (tin).	8.
Malted Milk	6
1 sack doughnuts	20
	497½

1 Dedy dish tin "grub box"
1 Thermos bottle case
2 Cameras 8
Field Glasses
E Johansen's Clothing bag.
Shovel
Icepick
2 axes. 9

Dolphin and Union Strait (Bernard Harbour)

		7 dogs.
	Small Toboggan.	
(Feb. 1.	1 Gunny (Rcd. Dalhousie	80
(Mon.)	Seal Meat (1 piece)	41½
	2 Bales Dried fish	100.
	1 box Ramsay's Biscuits	50.
	Sugar.	60
	Lard (4 pails)	40
	Underwood pemmican.	34
	Borden Malted Milk 1 can	10.
	Tobacco.	7
	1 tin can (Chocolate, Tea, Etc.	10.
	1 box (Chocolate, Cocoa, Candles)	20.
	wooden "Thermos" box (small). filled.	8
	2 Boot and Sock bags (12+12)	24
	2 Clothing bags	10.
	Ammunition (.30-30 and .250)	15.
	Stove and pipes	
	Thermometer case	1
	2 sleeping bags	40
	2 Rifles (1 Mannlicher, 1 Winchester)	15
		553½

1 Malted Milk Box (Mail, etc.
1 Camera.
2 field Glasses.

Dolphin and Union Strait (Bernard Harbor).

Feb. 2 (Tues.)
8 a.m. SE 11.
5:00 p.m. E 9.
Max. -12.5
Min. -34.0

Cloudy all day. Sun faintly visible from 1:30 to 2:00 p.m. Wind very light 8:30 a.m., from Northeast, but increasing during day. -23° at 7:00 a.m. -18° at 9:30 a.m. Wind East 13-14 miles per hour. -12° at 6:00 p.m.

Started out for Fort Norman at 9:45 a.m., Mr. Jenness with one sled (six dogs); Mr. Johansen and Palaiyut with toboggan (seven dogs), and Mr. Castel and myself with toboggan (six dogs). Passed along inside (south) of Chantry Island. Coast line difficult to make out in foggy weather, with rocky reefs and numerous stony points projecting. Camped at 4:00 p.m. in bight with a long rocky point. Found a few pieces of driftwood for camping. Travelled 10-15 miles today.

Dolphin and Union Strait. Cape Lambert.

Feb. 3 (Wed.)

8 a.m. W. 9
5 p.m. 0.
Max. -12.5
Min. -31.1.
at Bernard Harbour).

Clear Calm. -30° at 9:00 a.m. -28° at 4:00 p.m. On trail 9:12 a.m. Passed point of limestone cliffs at Cape Lambert. Stopped for lunch near here. Some rough cakes of ice around point. Camped 3:20 p.m. on west side of stony point. Could not find any wood, and used Primus stove.

White Fox - saw a few tracks on sea ice.

Seal - Palaiyuk found three open Seal holes in tide cracks.

Cape Lambert is 80 ft. high, vertical cliff - coarse-grained lime-stone or dolomite - measured in March by Mr. J. R. Cox.

[March 31st - Our camp of Feb. 3rd was very close to the short portage across Cape Krusenstern peninsula, Mount Barrow being only a short distance to south east, the portage crossing just north of Mount Barrow.]

Dolphin and Union Strait. Cape Krusenstern.

Feb. 4. (Thurs.) Cloudy forenoon. −12° at 8:00 a.m. Light ENE wind. Sun came out 11:00 a.m. Clear in afternoon, Calm. −10° at 5:00 p.m. −4° at noon. On trail 9:05 a.m. Found a number of pieces of driftwood on beach about one mile East of our last night's camp, and put some pieces on sled. Palaigut set up a large log on beach a little further East near a stone Cairn (probably Dr. Richardson's Cairn of 1847.)). also saw a large fresh spruce log on beach. Reached north end of Cape Krusenstern 11:00 a.m., high limestone (or dolomite) cliffs; and changed course to South by West, to next high cliffs, about 5 miles. In inlet saw a long, high stony ridge (Mt. Barrow) a land-mark from both East and West sides of Cape Krusenstern. A large tide crack and small pressure ridge Extending along coast from

Cape Krusenstern Coronation Gulf.

Feb. 4 (Thurs.). Cape Krusenstern to southward, not far from the beach. Had lunch 12:25 to 1:00 p.m. near cliffs, about sixty feet high. Three large islands visible several miles to east of Krusenstern. Course to next point SSW. towards a high bluff facing to Eastward. As we approached it, found a long low point running out from it. It looked favorable for a portage, but going up on the land, I found a series of low ridges or terraces covered with thin slabs of limestone, loose and brittle, and scantily covered with snow. Camped on stony beach at 3:00 p.m. No wood except what we had brought from west side of Cape Krusenstern.

Seals - Six holes seen along tide cracks.

Fox - a few tracks seen.

(At Bernard Harbour, wind O. Max. - 7.0 Min. - 33.0 Light snow most of day).

Coronation Gulf (Point Lockyer).

Feb. 5. (Fri.) Cloudy. Light NNW wind. −10° at 8:00 a.m. −5° at 5:00 p.m. Cloudy all day, rather thick and hazy in afternoon, with a few snowflakes flying.

On trail 9:15 a.m. We had gone into a little bight and had to go NE around it in morning. Found a little wood on beach east of camp. Passed around a low stony point (with higher mass of rounded boulders at tip (Point Lockyer) at 10:10 a.m. and then held course SSW for a little while, then more to westward, following the land from point to point, as they became faintly visible. Passed a large island about south of Point Lockyer. Lunch 12:25 to 12:45 p.m. Coast rather low, with some grass. Picked up some wood at two or three places on beach. Crossed a shallow bay, from a stony point on east side to a low beach on west side, passing

Coronation Gulf

Feb. 5 (Fri.) south of a rocky ridge which appeared to be about one mile inland. Camped about 4:00 p.m. on low beach, about 13 miles west of Lockyer Point. Made about 16 miles today.

Caribou — fresh tracks (8 or 10), made last night, a little west of Lockyer Point, coming out from land and returning towards the land about a mile further west.

~~Fox~~ — a few ~~Fox~~ tracks

(At Bernard Harbour 8 a.m. W. 6. 5:20 p.m. W. 8. Overcast. Max. — 5.6. Min. — 14.0.)

Coronation Gulf. Basil Hall Bay.

Feb. 6. (Sat.). Hazy bright morning. Sunshine at midday. Cloudy in afternoon. Calm in morning. Light NE wind in afternoon, stronger in evening.

-13° at 8:00 a.m. -8° at 12:00 m.
-7° at 5:00 p.m. Ow bout 8:55 a.m. Lunch 12:00 m. to 1:45 p.m. Camped on ice 4:05 p.m., after traveling about twenty miles. Course all day SW, heading for black headland which as we approached showed up another lower terrace projecting beyond it.

About noon we passed what we took to be Cape Hearne — high stratified cliffs, facing south or southeast, the cliffs some distance back from coast, with gently sloping grade down to the east and south. Camped on ice near large ice ridge along a big tide Crack about a mile S or SE of a low rocky island which appeared to be about three miles from the

Feb. 6. (Sat.) headland we had been steering for all day. (Cape Kendall).

Arctic Hare — Palaiyuk started out in morning and hunted west along the land for a mile or two and shot an Arctic Hare, then followed us on the ice. He said he saw many fresh Hare tracks on the rocky coast.

Seal — passed an open hole on flat ice where a seal had been lying on the ice today; melted snow and claw-marks all around the hole.

Caribou — a few old tracks on the ice, all going south.

Arctic Fox — a few tracks on ice.

Raven — flew over us twice, silently.

(At Bernard Harbour: 8 a.m. W 3. Overcast 5.22 p.m. S. 0. Clear. Max. — 9.5° Min. — 28.4).

Coronation Gulf — Cape Kendall. Back's Inlet.

Feb. 7. (Sun.)

Clear a.m. Light NNE wind. -12° at 8:00 a.m. -9° at 12 m.

Rather strong NE wind in afternoon, sun hazy, and snow drifting along ground. Cloudy evening

On trail 8:40 a.m. and reached the high cliffs (black diabase, obscurely columnar blocks) of Cape Kendall at 9:40 a.m.

Wolverine — many tracks on land and on sea ice near shore.

White Fox — a few tracks.

Kept course SW true across Back's Inlet. On the north side a conspicuous landmark is a high mesa formation of black columnar diabase sloping on all sides in talus slopes, and appearing like an island at a distance. Several smaller separate ridges stretching to the west. This is about two miles south (or SW) of Cape Kendall, and shows up from north side as a terrace behind the point of Cape Kendall.

Feb. 7 (Sun.). This point and Cape Kendall show up very plainly from the mouth of the Coppermine, looming up higher than any of the islands. Hills back of Back's Inlet high and rugged but not precipitous. A chain of small islands running to westward from tip of Mackenzie Point. We were about up to tip of Mackenzie Point at 2:00 p.m., a rather low stony point, but we kept inside thinking it was an island, and ran about four or five miles to bottom of a bay. Kept on to SW about half a mile across grassy tundra towards what looked like a good portage, but found trail bad, and tried to cross stony hills to south. Came to edge of steep precipitous cliffs facing south and had to turn back to the coast where we started to cross tundra. Saw two long lakes between the ridges to the south.

Coronation Gulf Mackenzie Point. Back's Inlet.

Feb. 7 (Sun.)

Found quite a bit of driftwood on beach at bottom of bay (north side of Mackenzie Point) - both old spruce and willow drift (some willows pretty large). Reached coast and camped about 4:00 p.m.

Noticed horizontal stratified limestone (?) at sea level in little bight between the two points of diabase at Cape Kendall.

Caribou - saw many fresh tracks while crossing grassy flat, and on ascending hills found that they had been feeding there for some time. Saw a band of ten caribou (two young) on flat, but they took alarm and moved away. Palaiyuk followed without success.

Arctic Hare - many tracks on hills.

(At Bernard Harbour - 8 a.m. E 6 var. Hr 3. Overcast 5-2a p.m. 0. Clearing. Max. -13.0. Min. -28.5).

Coronation Gulf. Mackenzie Point

Feb. 8. (Mon.) Cloudy morning. Slight fog all day. −16° at 7:30 a.m. −11° at 12:00 m. and 5:00 p.m. On trail 8:35 a.m. west along the stone and boulder covered north side of Mackenzie Point. Passed end of point at 10:40 (about 5 miles). Found a quantity of small driftwood among rocks on point, also a large fresh spruce, which I set up on end between the rocks. Held course to south and SSW. Passed between two rocky islands and met Palaiyut who had killed one Caribou on mainland. Reached mainland shore at 1:00 p.m. (having stopped 30 min. for lunch) and camped at mouth of small creek, about ½ mile East of mouth of Richardson River.

Caribou — As we rounded Mackenzie Point saw ten on ice S.E. of point, and a little later a herd of about twenty on shore south of Mackenzie

Coronation Gulf. Mackenzie Point.

Feb. 8. (Mon.). Point. Palaiyuk said he had seen about a hundred Caribou on the hills near the coast and killed one. After unloading sleds, Palaiyuk and I went after the meat. As we came up on hill saw the herd of 20 feeding about 600 yds. away and I went after them. Stalked them and wounded two; one lay down apparently dead, and — the other started off with broken leg. I followed the latter for some time, but as he approached P. I turned back to skin the other one. It had revived and gone out on the sea ice about One Quarter of a mile with two hind legs broken. This was a female (foetal fawn about the size of a Ptarmigan). Skinned it and piled up meat on ice. Palaiyuk brought in the meat of one killed in the morning and another killed later; so we boiled heads and heavy bony parts, as well as gave dogs an

Feb. 8. (Mon.) extra good feed, to lighten loads for tomorrow.

Considerable driftwood at place where we camped, both spruce and willow, about ½ mile east of mouth of Richardson River. Black diabase cliffs conspicuous on north side of Richardson River and along south side of Mackenzie Point peninsula. Hills on mainland coast rather low, and rounded, with numerous gullies. Three or four small creeks between ~~Richardson River~~ creek at west end of bay and the Coppermine River.

Wolf — many tracks.

Wolverine — many tracks.

Ptarmigan — Palaiyuk saw a flock on flat land near the beach.

(At Bernard Harbour: 8 a.m. SE 1 over Clear. 5.20 p.m. E 14. 8'ty. Foggy. Max. -15.7 Min. -31.).

Coronation Gulf. Mouth of Coppermine River.

Feb. 9. (Tues.)

Hazy a.m. — 9° at 8:00 a.m. Very light air stirring from SE. On trail 9:10 a.m. Stopped to pick up Caribou carcass on ice. Foxes had made a mage of tracks all around it but had not touched meat. Reached low island, in west side of mouth of Coppermine River at 11:00 a.m. Cached about 175 lbs. of Caribou meat at rock bluff at entrance west bank of river. Had lunch here. Quite a bit of driftwood at river's brink here. Started up river 1:15 p.m. Bearing E. 230° (ca. S.W. true) to first slight bend in river; course to point showing flat tabletop. Sand, gravel and stony bars on east side of river which is at least half a mile wide here. Reached bend 2:40 p.m. Snow rather soft on river.

Caribou — many fresh tracks crossing river, going East. Talainut said he saw Caribou everywhere on hills

Coppermine River.

Feb. 9. (Tues.)

East of river.

Compass bearing to next bend E. 240° true (allowing 45° variation); reached second bend 3:40 p.m.

Bearing to next bend E. 200°.

Camped on west bank at a stony point at 4:00 p.m. Willows on top of bank 3-4 feet high.

Passed two Eskimo snow-houses at edge of river, west side, a little above first bend; apparently temporary fall camp.

Wolverine - many fresh tracks.

White Fox - a few tracks.

Wolf - a few tracks on river.

Weasel - tracks on river.

(At Bernard Harbour: 8 a.m. E 7 s't'y. Overcast. 5:30 p.m. E 14 s't'y. Overcast. Light drift. Max. -3.5° Min. -16.4°).

Coppermine River (below Bloody Fall).

Feb. 10. (Wed.) Calm. Clear. −18° at 9:00 a.m. −8° at 2:00 p.m. Cloudy in morning with light snow falling. Wind NE, fairly strong.

Wolf — Heard some slight commotion among the dogs just as we were finishing breakfast; no barking, but merely snarling. Johansen went out and soon shouted "wolf". We came tumbling out of the tent in various stages of undress. Johansen "shooed" the wolf away from his side, and as it came up to some other dogs, Jenness hurled a rock at the wolf, which promptly left the dogs and attacked him, sinking her teeth in his left forearm. I got my rifle from the top of toboggan, but as Jenness was pretty well tangled up with the wolf, it was some time before I could put a bullet through the wolf without hitting Jenness. Jenness's arm was badly bitten and bled

Feb. 10. (Wed.) profusely, some muscle fibres protruding from the wound, and he was unable to move some of his fingers or turn his hand over, leading me to think that the Supinator longus muscle was badly cut. Treated it with potassium permanganate and remained in Camp for the day. The wolf was a large female, and nearly pure white.

#360. ♀ Canis

L. 61½ inches. 1560 m.m.

T. 16¾ " 425 m.m.

N.F. 11⅛ " 285 m.m.

The wolf was in good flesh, and good condition, not fat.

Ptarmigan — Johansen crossed over to a willow creek on east side of river and saw a flock of Ptarmigan.

Red Fox — Johansen saw a Red, Cross or Black Fox on east side of river.

Photo. 3A. 1 - Camp and whitel wolf.

2. " " " "

(At Bernard Harbour: 8 a.m. E 6 sty

5. Sept. a.m. E 7. Clear. Max. -3.5 Min. -12.8)

Coppermine River. Bloody Fall.

Feb. 11. (Thurs). Heavy snowfall during night, making travel heavy. Cloudy in morning, but sun shining bright afternoon. Strong SW wind and snow drifting. +10° at 9:00 a.m.

On trail 9:55 a.m. Course E. 260° true about 1 mile. E. 275°, one mile (to creek valley at bend — portage to coast East of Richardson River. Then E. 210° (true), about 2 miles to north end of Bloody Fall Gorge. River pretty smooth all the way up; only a very little rough ice extending about to island below Bloody Fall. Passed East of island. Halted just below gorge and reconnoitred ahead. Ice much smoother than when I was here in 1911. Now there was a good broad smooth ice road along the east side. River running nearly level with shore ice; open a little below gorge; in several stretches in gorge, and for a few yards below island above the gorge.

Coppermine River. Bloody Fall.

Feb. 11. (Thurs.) Reached north end Bloody Fall 11:15 a.m. Stopped for lunch in middle of gorge. Photos: V.P.

235 *2. Bloody Fall, to North., at middle 8 – 1/25 – bull sunn. 12:00 m.

236 *3 do. East side. Cliffs.

Struck very deep soft snow above Bloody Fall. Kept at first to West side then crossed to east side above the island, over mountainous ice-ridges and deep gullies in the river ice, and had great difficulty in reaching Stefansson's old Caribou camp about four miles above Bloody Fall at 3:00 p.m., and camped there. Had much difficulty getting firewood but ultimately found a stranded spruce log about half a mile above camp and packed it down.

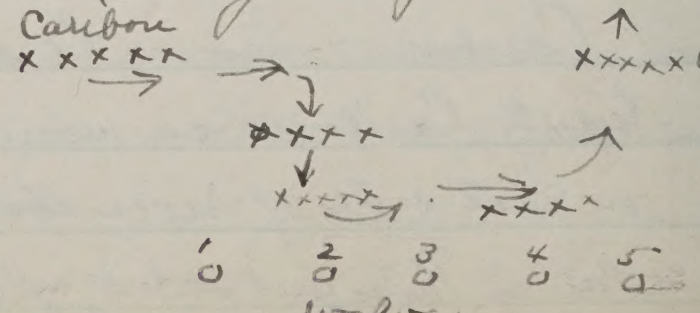
Caribou – Saw a herd of about twenty Caribou on mouth of Creek on east side of river above Bloody Fall. Palaiyut wolves after them and

Coppermine River. Bloody Fall.

Feb. 11. (Thurs.). followed them up on the bush land. They crossed the river a little below Escape Rapid and he killed three two males and one female near the west bank of the River.

Wolves — Paliyuk saw six wolves hunting the Caribou about a mile from where we camped. He said they hunted like men, with a systematic plan. Five wolves seated themselves in a row some distance apart on the flank of the Caribou. The other ran rapidly across their front and headed them off, so that they came near to the waiting five wolves. When the Caribou saw them, the Caribou turned to the left and nearly ran into No. 6, which nearly caught one.

(At Bernard Harbour!
8 a.m. SE 13 st. overcast.
5 20 p.m. 0.
Max. + 4.5
Min. — 12.3)



Coppermine River — Escape Rapid — Limit of Trees.

Feb. 12. (Fri.). Clear in forenoon. Wind SW. −8° at 8:00 a.m. −10° at 10:00 a.m. −6° at 5:00 p.m. Cloudy in afternoon. Pakiyuk and I went after meat in the morning and hauled the three Caribou to Camp. Foxes had taken some of the meat. Saw many Fox and Wolverine tracks. Saw nine Caribou on hills East of river about a mile from our Camp. moving North ward. Cached most of the meat under stones at our camp, for Jennes to take up on their return, and took only about 100 lbs. along. Started 12:15 p.m. and ascended long hill to flat terrace above, keeping from ½ to 1½ miles from river, which was very rough around Escape Rapid. Camped at 5:10 p.m. (almost dark) in first spruce trees on right (East) bank of Coppermine River, going down only far enough into the valley to get to wood, passing through some

Coppermine River. Northern limit of Spruce.

Feb. 12 (Fri.). soft snow in small willows at head of valley. There is quite a patch of spruce on left (west) bank of river about half a mile farther down, and a few small straggling spruce on the side of the bluff on west side about 1½ miles farther down (north).

(At Bernard Harbour, 8 a.m. W 6 var. 5 p.m. W 8 Sty. Max. – 0.0 Min. – 8.5. Snowflurries).

Caribou – saw several on hills to Eastward.

Ravens – two seen.

Feb. 13. (Sat.). Strong SW wind in morning. Snow drifting all day. Cloudy. + 4° at 10 a.m. On trail 9.45 a.m. crossed next creek valley (a few gnarled spruce), then along level terraces, and two lakes before crossing ridge below Sandstone Rapids. Camped 3.00 p.m. in heavy spruce Clump on Sletmeting Creek. Good travelling on upland, snow shallow, and hard.

Rock Ptarmigan – small flock on upland. Pelaiyuk shot one and Johansen two. Two Ravens seen.

Coppermine River. Husky Creek.

Feb. 13 (Sat.) (At Bernard Harbour: 8 a.m. W 6 s't'y. 8 p.m. W. 6 " Max. -5.0 Min. -20.0)

Caribou — Saw a small herd in small hills while crossing large lake north of hills, and Palaiyuk went after them. He killed two on north side of ridge, one an old bull with horns shed.

Feb 14 (Sun.)

Clear a.m. — 8° at 9:00 a.m. Calm. Cloudy at 11:00 a.m. — At 6:00 p.m., light snow. Clear again in evening. Light south wind. Stayed in camp today and sewed up four rents which dogs had torn in Alpine tent. Castel fixed stove. Johansen investigated forest insects and chopped down some dead and some living trees. He found some adult and many larvae of bark beetles and Longicorn beetles, and thinks that the many dead spruce trees which are found everywhere near the tree line are killed by the work of bark beetles.

Coppermine River, N.W.T.

Feb. 14. (Sun.)

. Mr. Jenness and Palaiyuk went out and hauled in the two Caribou killed yesterday. Palaiyuk wounded a Cross Fox but failed to get it, and saw a Red Fox.

Arctic Hares - Palaiyuk saw five today on the hills, four at one time.

Ptarmigan - several seen today.

Caribou - several seen on the hills.

Sorted out the stuff which we are to take on ahead and which Mr. Jenness is to take back. Mr. Jenness is going ahead with us for one day (tomorrow) to help us across the ridge where we strike the Coppermine River again.

(At Bernard Harbour: 8 a.m. W 13. 8 p.m. NW 5. Light snow, drifting all p.m. Max. -9. Min. -22.)

Coppermine River, N.W.T.

Feb. 15. (Mon.). Clear. Light southerly wind. -22° at 8:00 a.m. Some of the dogs were gorged with meat last night and unable to travel

Photo. 3A.

212. *3. Camp in Spruce. Coppermine R.
8 - 1/50 - Dull Sun. 10:00 a.m.

213 *4. do. from another angle.

On trail 10:00 a.m. Mrs. Jenness accompanied us with one sled. Crossed some rolling hills, and then kept on south along side of hills about 2 miles from river. Keeping at about the same level. Crossed creek gully north of a fine grove of tall straight spruce, at noon. Made Exposure.

237 V.P. *4. Spruce grove from south side.
11 - 1/50 B.S. 12:m.

238 *5. do.

Rock Ptarmigan — saw a few on hills. Small, stunted spruce stubs with only an occasional living spruce bunch all along hillsides

Coppermine River, N.W.T.

Feb. 15. (11 o'clock)

Caribou - saw a herd of twelve Caribou on hills ahead, north of lake, about 1:00 p.m. They had been feeding here for a long time, as evidenced by digging moss and snow. They later moved north across the high stony ridge about three miles east of river.

Black Fox - one came leisurely trotting down from the hills in front of us. Got out Mannlicher just as fox stopped about 150 yards in front of us, but just at that moment, the dogs became uncontrollable and ran away after the fox. The toboggan was too heavy to be capsized, and the team careened madly down the gentle slope, in line with the fleeing fox. so I could not shoot The team finally stopped in a gully, and the fox stopped about 300 yards away. I fired once and struck about six inches low, and the fox never stopped again in our sight. Had several good views in different lights, and the fox seemed

Feb. 15. (Mon.)

to be pure black, with white tip to tail. About 3:00 o'clock, about three or four miles farther on, saw another Black Fox, or the same, on rocky shore of long lake, on west side of the Musk-ox Rapid Portage. One Red Fox seen following trail.

Passed behind (west) of steep, lateral, hummocky ridge of hills which are between the Coppermine River at Musk-ox Rapid, and a string of long lakes behind.

Ravens — two or three seen.

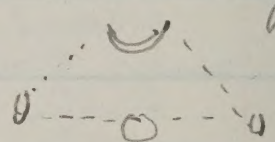
Weasel — a few tracks seen.

Arctic Hare — many tracks.

Cached 2 tins (32 lbs.) H.B. pemmican, 1 tin (6-lb.) Underwood pemmican, 8 lbs. Ramsay Biscuit, and one shoulder Caribou meat, in stone cache on west side of long narrow lake, on hill in side of a little bight, opposite second and third groves (on east side of lake) about 3/4 mile from angle where range of river hills

Coppermine River, Muskox Rapid Portage.

Feb. 15. (Mon.). joins the high range east of the river, at end of portage. Marked cache by tripod of dead spruce poles. Spent about one hour making cache and then started across portage. Got about one-third across, over some rough hills, and then got stalled in a little pocket among the hills. Saw that we would have to double-trip across and camped 4:00 p.m. Clear evening. New moon. — 28° at 6:00 p.m. Three bright para selenae.



(At Bernard Harbour: 8 a.m. W. 13. 5 2° p.m. NW 5. Drifting Max. — 13.5. Min. — 32.).

Feb. 16. (Tues.). Coppermine River. Muskox Rapid Portage.

Clear. Calm. —39° at 7:00 a.m. Daylight (enough for travelling) at 7:00 a.m. —36° at 5:00 p.m.

On trail at 10:00 a.m. Mr. Jenness started back at the same time. Took half of our load across to the river over some steep little boulder hills (granite and sandstone etc.) with small lakes and pot-holes between.

Arctic Hare — started one up in little rocky gully and shot it with Mannlicher.

Rock Ptarmigan — saw several at different times, very tame.

Reached river at 11:20 a.m. and went about 200 yards along the bank, and unloaded stuff. Got back to camp site with empty sled at 12:00 m. Had lunch and got remainder of load across to river at 3:30 p.m. Missed some cartridges and went back to old camp to look for them while Castel made camp.

Coppermine River (Musk-ox Rapid Portage)

Feb. 16. (Tues.)

Wolverine - one had walked all around our river camp during our three hours absence, but had touched nothing, although there was a hare and a little Caribou meat in the pile. The Wolverine had reconnoitred very carefully before approaching very close, going up and down the bank several times. He had followed our back trail for some distance.

Fox tracks - Numerous - all apparently large "Colored" Foxes (i.e., Red, Silver, Cross or Black) which make a much larger track than the White Fox.

Weasel - a few tracks.

Camp on east bank of Coppermine River, about one mile below the mouth of Burnt Creek (which enters from west side).

(At Bernard Harbour: 8 a.m. W. 11 ℄
5 p.m. W. ~~#9~~ 6.0 Max. -28. Min. -38).

Feb. 17. (Wed). Calm. −42° at 9:00 a.m. −39° at 5:00 p.m. On trail 9:30 a.m. Went ahead about ½ mile, following boulder bank on east side of river, just inside of rough ice, which was crowded up against the bank in many places. Snow very soft, hip-deep or more among the loose boulders and ice cakes, so that we were unable to make a good trail even with snowshoes. The dogs refused to pull very hard as they kept continually losing their foothold and stumbling into holes. About 11:40 a.m. we had to unload half our load and go ahead about 1½ miles further, past the mouth of Burnt Creek. Stopped at 2:25 p.m. Cached stuff on ice and went back for the rest. Got it all together at 4:15 p.m. and camped, packing the gear up to top of boulder bank about twenty feet high. Cooked dogfood for first time - 7 cups brown rice, 4 cups pemmican

Coppermine River, Burnt Creek.

Feb. 17. (Wed.)

The dog "Swash" stole half a ham of Caribou out of tent while we were making camp. River open in a small reach about ¼ mile long. River ice exceedingly rough all the way across, as far as we can see either up or down, and it is doubtful if a toboggan could be taken across without stooving it.

Photo. V.P.

239 *6. Coppermine (to north), from E. bank above Muskox Rapid. 8-1/50 D.S. 3 p.m.

240 *7. Double tripping, loading E. bank Coppermine. do.

241 *8. Rough ice on Coppermine. Canada Jay – saw one in spruce today. Fox – a few tracks along bank. Wolverine – fresh tracks along bank. Arctic Hare – many tracks all along rough boulder banks.

(At Bernard Harbour: 8 a.m. NW. 6. Hazy 5 2/3 p.m. W. 6.6. Max. – 27. Min. – 38°).

Coppermine River. Below Melville Creek

Feb. 18. (Thurs.) Clear. Very light SE wind. -42.5° at 8:30 a.m. -33° at 2:00 p.m. On trail 9:10 a.m. with half load (about 300 lbs.). Ice very rough. In some places we passed along side of smooth planed-off ice walls (below the stained ice terrace line), with another rough terrace below us, and at other times followed the rocky boulder bank. Trees pretty continuous on east bank - but only scattered clumps on west bank. We had to chop a road through rough ice most of the way today, and did not make over four miles. Made cache at 12:00 m. on east bank opposite flat-topped isolated hill with thick spruce at base a little below angle of river opposite mouth of Melville Creek. Made return trip with empty sled 12:40 to 2:00 p.m. Started out with second load and camped at 5:35 p.m. Had to pull up through soft snow in little bight in

Coppermine River. Below Melville Creek.

Feb. 18. (Thurs.) edge of woods and dig out camp-site in soft deep snow. Very tired in evening and did not get dog-food cooked and fed and supper finished before 10:00 p.m.

Arctic Hare — Many tracks on low boulder banks. Started up two Hares among the rocks, where we saw many feeding places among the lichens. They run a few yards after being started up, then stop to look around.

Redpoll — Castel saw three small birds in woods on bank of river.

The dogs pulled very poorly today and we made slow progress, getting stopped by every ice hummock, where the dogs would sit down, and the toboggan would have to be started up by hand.

(At Bernard Harbour: 8 a.m. W. 6.
5 p.m. W. 6. Max. — 27. Min. — 40.
Wind all day not more than 1 mile per hour.)

Coppermine River. Melville Creek.

Feb. 19. (Fri.) Clear. light SE wind. −37 at 9:00 a.m. −35° at 5:00 p.m. On trail 10:00 a.m. Kept along river bank for a few hundred yards then made portage across a low point for about half a mile, then along bottom of boulder bank for a short distance. As river widened looked more smooth ahead we crossed to the other side. Passed mouth of Melville Creek (heavily timbered) at 11:00 a.m. and cached stuff at mouth of Rocky CREEK mouth about 3 miles above Melville Creek at 12:00 M. Made return trip 12:30 1:40 p.m. Found fairly strong and snow drifting along ground, hiding our recent track in many places. Came back with second half of load (2:45 p.m. to 4:20 p.m.) and camped. Turned in at 11:00 p.m. This is our fourth camp since leaving the portage, about twelve miles, covering less than the distance which Tannannirk and I made in one day in April, 1911.

Coppermine River. Melville Creek

Feb. 19. (Fri.). while hauling two toboggan loads of specimens from Coronation Gulf to Great Bear Lake: If travel continues to be this hard the prospects are not very encouraging for us

Photo. V.P.

246 #5. Mouth of Melville Creek, from SW.
22 – 1/25 – B.S. 1:00 p.m.

247 #6. do. closer

248 #7. Boulder bank of Coppermine, both of Melville Creek

249 #8. Table-topped hill, NW of mouth of Melville Creek; from East bank.
22 – 1/25 B.S. 1:30 p.m.

Decided to make cache here to lighten load. Intended to make cache at last camp, but stones were not available.

Cache: 1 tin H.B. pemmican (16 lbs.)
1 tin Underwood " 6 lbs
16 cups Brown Rice ca 16 lbs.
1 pr. boots, 1 pr. skin socks.

(At Bernard Harbour:
8 a.m. W. 9.9.
5 p.m. W. 14.2
Max. – 28.
Min. – 39.
Hazy. Drifting low.)

Coppermine River. Big Bend

Feb. 20. (Sat.)

Clear. Light Easterly wind. -40° at 9:00 a.m. -39° at 4:00 p.m. -45° at 8:00 p.m. Cached stuff under green spruce logs and heavy boulders. Spent an hour and a half making cache, and started on trail 10:20 a.m. with keen wind full in our faces. Frosted nose and cheeks slightly during the day.

Took full load today. Ice was somewhat rough for the first mile then smooth around big loop to SW and SE. River then comes from about straight west; ice fairly smooth along sides, a little broken window glass ice on edge in middle. Open water in middle in two places for about 300 yards. Saw vapor rising from water holes several miles away. Passed one creek on south bank, and two on North bank. Most of timber on north bank of river which gives a sunny

Coppermine River. Big Bend.

Feb. 20. (Sat.)

exposure to the south. Trees very scarce, stunted, and scattered on south bank. Camped on north bank a little east of Copper Creek at 4:00 p.m. Cooked dog food (7 cups rice, 4 of pemmican). Got our own supper 7:45 p.m. and turned in 10:30 p.m.

[250] Photo. V.P #1. Coppermine River, to E. showing forestation of banks.
22 — 1/25 — B.S. 2: p.m.

[251] #2. Creek, 1st East of Copper Creek.
16 — 1/25 — B.S. 3:00 p.m.

[252] #3. ds.

Snowy Owl — saw one flying across river.

Caribou — many old tracks crossing river, going southward.

Wolverine — very many fresh tracks everywhere.

Arctic Fox — a few tracks.

Arctic Hare — tracks numerous

Weasel — a few tracks

Mouse — a few tracks.

(At Bernard Harbour:
8 a.m. W. 18. 6
5:30 p.m. W. 7. 2.
Max. — 31.
Min. — 37).

Feb. 21. (Sun.) Slightly cloudy. Light SE wind. -29° at 8:30 a.m. -25° at 9:01 a.m. -4° at 2:00 p.m.

On trail 9:30 a.m. Followed middle of river for about half a mile, then as ice became rougher, ascended to ice bench on south bank.

Passed Copper Creek on north side 1. Passed an unnamed creek on south side at 11:50 a.m.; mouth very rocky. River ice rough.

Photo. V.P. #4 spoiled.

[253] #5. North bank Coppermine River between Copper and Muddy Creek. 16 - 1/25 -- D.S. 11:30 a.m.

Caribou - fresh tracks crossing to northward - Many old tracks.

Wolverine - many tracks.

Made portage of about a mile across low point, rolling tundra, and one lake, below Stefansson's rack nearly opposite.

Hornby Creek. Passed Hornby Creek at 1:30 p.m.

Coppermine River. Hornby Creek to Big Creek.

Feb. 21. (Sun.)

254 #6. Photo V.P. Mouth Hornby Creek.
16 – 1/25 – D.S. 1:30 p.m.

255 #7. North Bank Coppermine River, looking N. towards Hornby Creek
16 – 1/25 – D.S. 2:00 p.m.

256 #8. North bank Coppermine River Rock cliffs below Big Creek.
11 – 1/50 – D.S. 2:30 p.m.

257 #1. do. (closer). 11 – 1/25 – D.S. 2:30 p.m.

Crossed to north bank below Big Creek hoping to find trail better, but found it worse, wallowed through deep snow and rough ice, then crossed to south bank again, a little above Big Creek. Dogs practically quit pulling and we had to camp in deep snow 3:45 p.m. and pack down wood from top of bluff. Deep rocky creek gully above opposite us.

(At Bernard Harbour:
8 a.m. E 15.
5 p.m. E 11.
Max. – 15.0
Min. – 40.4)

– 8° at 4:30 p.m. – 21° at 7:00 p.m.

Wind southerly. Cloudy later in evening

Coppermine River. Big Creek to Tepee Creek.

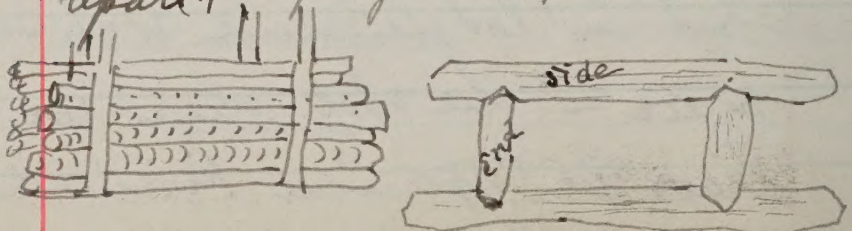
Feb. 22. (Mon.) Cloudy. Light NE wind. ~~Foggy~~.
-12° at 8:00 a.m. -8° at 1:00 p.m.
-10° at 5:00 p.m. Clear in evening.
Travelled north. On trail 9:10 a.m.
Passed Glacier Creek 9:50 a.m. Creek
mouth filled by green, terraced ice-wall to top.
Photo. V.T. [258] No. 2. Mouth of Glacier Creek.
11 - 1/25 - Cloudy 9:50 a.m.
We were unable to recognize Stony
Creek, and went about half a
mile beyond the mouths of Larrigan
Creek and Tepee Creek, being unable
to recognize the end of the mountains
behind them on account of the fog.
We were ploughing through deep
snow on east bank, going very slowly.
Stopped at 11:30 a.m., thinking we were
getting out of bounds, and went back
to investigate creek. Ascended the
Creek gully until I came to the old
Indian lodges and was sure of the
place — the spot where we should
leave the Coppermine River (without regret).

Coppermine River. Tepee Creek.

Feb. 22 (Mon.) Came back to sled and we crossed to west bank and down along the ice bench on beach to the mouth of Tepee Creek where we camped 1:00 p.m. Ice very rough in river all the way across, and snow very soft all along banks; very heavy sledding. Many Ptarmigan, Hare, Wolverine and Weasel tracks.

(At Bernard Harbour: 8 a.m. E 10 overcast. 5 2/10 p.m. SE 11 do. Max. -12.5 Min. -19.0).

Feb. 23. (Tues.) Clear in early morning. Hazy toward noon. -26° at 8:00 a.m. -19° at 9 a.m. -6° at 2:00 p.m. -16° at 7:00 p.m. Built a log cache on south side of mouth of Creek, using four living trees as outside corner posts, piling up notched logs for side walls and driving in cross logs at ends to spread them and hold them apart, hoping to make it wolverine proof.



Feb. 23. (Tues.)

Ravens – a few seen flying about.

Wolf – In the evening a female wolf came up among the dogs which were grouped around the pot where dog-food was being cooked. Dogs snapped and snarled a little, but made no concerted action. I got out the Mannlicher, but could not shoot for some time, as a dog would be first on one side and then on the other side of the wolf, so that I could not shoot the wolf without injuring a dog. Finally I shot the wolf, which had acted much like the wolf below Bloody Fall Feb. 10th. This wolf was more yellowish than the other one, with a blackish streak along the back. Flesh was in good condition and was mostly eaten by the dogs during the night, although they merely sniffed at it when flesh was warm.

(at Bernard Harbour: 8 a.m. SE 10 clear 5 p.m. SE 7. Max. – 12. Min. – 19.)

♀ wolf. L. 57½" 1460 mm. T. 18½" 470 mm. H.F. 11½" 295 mm.

Coppermine River. Tepee Creek to Dismal Lake.

Feb. 24. (Wed.) Hazy a.m. Light SE wind — 8° at 9:00 a.m. — 4° at noon — 8° at 6:00 p.m.

Photo. V.P.

[260] #4. Head of Tepee Creek, to North. 22 — 1/25 — B.S. 12:00 m.

[261] #5. Coppermine River, to E. from W.

[262] #6. Indian lodge frames. Tepee Creek. 11 — 1/50 — BS 12:25 pm

[263] #7. Rocky bed of Tepee Creek about 400 yds from mouth. Sled unloaded.

[264] #8. do. looking up stream

Finished making cache - piling logs on top with considerable brush, trees with limbs attached so that they could not readily be rolled off by Wolverines — Cached here.

10 lbs. White Rice.	20 Tablord Tea.
6 lbs. Beans.	3 bottles Saxm.
3 " Chocolate	30 Mannlicher 256
2 " Sugar.	20 Winchester 30-30
1 " Malted Milk.	3 pr. Boots
6 " Biscuit	1 pr. Skin socks.

Feb. 24. (Wed.) Finished covering cache and started up creek 10:30 p.m., trying to take up half a load. Went only a few hundred yards up the crooked stony gorge when we had to stop and dump part of our load. Finally got all our stuff up to the top of the first terrace south East of creek, about one mile in all by 4:00 p.m., in three trips, and camped.

Ravens — several seen today. Small birds (Redpolls:) heard in the bush.

(at Bernard Harbour: 8 a.m. 5 × W 6. Clear. 5 p.m. W 6 Hazy. Max. +0.5 Min. — 20.5)

Feb. 25. (Thurs.) Cloudy morning. Clear in afternoon and evening. —13° at 8:00 a.m. —25½° at 6:00 p.m. — 26° at 9:01 p.m. Rounded South east side of high limestone ridge north of Kendall River. Very good lookout over Kendall River valley and both sides of Coppermine River.

Coppermine River. Tepee Creek to Dismal Lake.

Feb. 25. (Thurs.) Caribou — saw large herd of Caribou, much scattered, feeding on flat table-like bench, back of the river timber, East of the large island just below the mouth of Kendall River.

Saw a few Hare, Ptarmigan and Fox tracks.

Camped at 3:00 p.m. in edge of small spruce sticks on hillside, about a mile or two NE of big grove at "Willow-grown Islands" of Dismal Lake. Camped a little Early, as it was out of our course to make the island grove, and we wished to make a straight course tomorrow for the "Narrows", the hills being visible from here; also spruce grove on mountain side south of Dismal Lake.

(At Bernard Harbour: 8 a.m. NW 24. Clear. 5 24 p.m. NW 15. Max. -7.0 Min. -23.2)

Dismal Lake. N.W.T.

Feb. 26 (Fri.). Cloudy all day. Wind SE in forenoon, shifting to NE towards noon, and about North (true) in afternoon. −13° at 8:00 a.m. −16° at 5:00 p.m. On trail 9:10 a.m. Passed to north of big Spruce grove, crossed some willow flats, and a small lake and struck Dismal Lake about two miles NW from Willow-grouse Islands at 10:25 a.m. Took on a little wood before reaching lake, and found smooth travelling on lake, some drifts but snow hard. Saw a few small clumps of Spruce on north side of lake a little East of Narrows. Stopped for lunch 12:30 to 1:00 p.m. Gale pretty thick, snow falling and drifting. Kept North East Bluffs in sight most of the time. Passed through the Narrows 1:30 to 2:00 p.m. Found dead Lemmus on snow. Broke off a few sticks of dead willow at point NW. of Narrows.

Dismal Lake, N.W.T.

Feb. 26. (Fri.). Saw old (fall) tracks of Eskimo broad-runnered sled just west of the Narrows. After passing through the Narrows, followed the south bank rather closely, as well as we could see through the storm from point to point. Made pretty good time, with wind abeam, and travelled about twenty miles today, although we made a rather crooked course on account of the thick weather. Camped at 4:00 p.m. on south side of lake, cut some small green willows which burned well with our other wood. Dogs were very much excited just before we made camp, snuffing excitedly to windward.

(At Bernard Harbour: 8 a.m. wind 0. 5 2nd p.m. N. 5. Light var. winds all day. Max. — 10.5 Min. — 22.4)

Dismal Lake, N.W.T.

Feb. 27. (Sat.) Clear — 30° at 8:00 a.m. Light Northerly wind. — 29° at 9:00 p.m.

Caribou — Went up on hill just before breaking camp, and saw nine Caribou crossing bight to windward. Hitched up dogs to toboggan to prevent them running away, and started to head them off. While Castel broke camp and loaded sled. There was a small rocky island across mouth of bay where we camped and the caribou took alarm and headed outside the island. I took a long shot and dropped a young bull at about 500 yards. The others turned back and started back over their old track. I dropped another male fawn (with spike antlers) at about 300 yards. The others turned and moved confusedly about while I was going to the carcass, and I could easily have shot several more. 5:50 a.m. Finished skinning and

Dismal Lake, N.W.T.

Feb. 27. (Sat.) cutting up the fawn in 25 minutes. Very little fat on either Caribou. Finished loading sleds with Caribou meat, after feeding dogs well, and started ahead 11:00 a.m. Kept straight course until 2:30 p.m. to turning point: Compass Bearing back across bay, SE. Ahead to next point W. 2½ miles; then W b S., SW, and S. Stopped for lunch about 1:00 p.m. opposite a little creek mouth which has a dense black growth of small willows. Camped at 8:20 p.m. in a small spruce grove near creek mouth a little ways from west end of Dismal Lake. Did not get supper until midnight and went to bed at 2:00 a.m.

(At Bernard Harbour: 8 a.m. W. 10. Clear. 5 30 p.m. W. 5. Max. −13.0 Min: −35.2)

Dismal Lake, N.W.T.

Feb. 28. (Sun.).

Clear. Light westerly wind. -25° at 12:00 m. Stayed in camp all day to repair gear, rest the dogs, and give them an extra ~~feed~~, to strengthen them as well as use up surplus meat. Boiled up heads, ribs, and bony parts, cracked marrow bones, so our Caribou was reduced to the minimum of bone and maximum of clear meat for going ahead. Went out a little way in the afternoon to look over passes to south (to Lease River). Saw two Indian lodge frames on the other side of the lake. Quite a bit of spruce timber all around the end of the lake.

Willow Ptarmigan numerous in brush around camp.

(At Bernard Harbour: 9 a.m. WNW 15 s't'y. 5:30 p.m. N 6 var. Max. -20.0 Min. -36.0 At 4 p.m. wind dropped ~~shifted~~ and shifted to N and NE).

Dismal Lake to Dease River.

March 1. (Mon.). Hazy morning Strong north easterly wind. — 34° at 9:00 a.m. — 32° at 4:00 p.m. — 34° at 6:00 p.m.

Started across divide between Dismal Lake and Dease River. On trail 10:15 a.m., about half a mile on lake, around a low stony point, past a small stony island. Ascended a gradual slope to southward, keeping along what seemed to be the easiest grade. Reached summit at 12:00 M. Trees within ½ mile of top. Saw trees in abundance to southward at 12:45 after going down grade for 45 min. and crossing a small lake. Stopped for lunch near head of small creek (north branch of Dease) Snow fairly hard on open uplands places.

Soft heavy snow while crossing small belts of timber, and snow rather soft on tundra flats.

Camped 4:00 p.m. on wooded hill near creek, (very winding, crooked

March 1. (Mon.) stream) after going SW. about 7 miles

Cross Fox – saw one about one hundred yards away, in edge of grove where we camped.

Ptarmigan – saw a small flock near camp in evening.

Caribou – saw a herd of about fifty feeding on hills two or three miles to southward. Had them in sight for some time as we advanced, but they evidently got our scent, as they moved off to Eastward.

Wind pretty strong, northeasterly all day, drifting snow along the ground and bitterly cold. We could hardly have travelled against the wind.

(At Bernard Harbour: 8 a.m. ENE 10 5'ty -24.5
5-20 p.m. N 10 5'ty. Max. -24. Min. -35.4.
Cy. 1 p.m. wind changed to N. and sky became overcast. Light snow).

Dease River, N.W.T.

March 2. (Tues.) Hazy morning. Clear in afternoon. Hazy again in evening. -40° at 8:00 a.m. -39° at 9:00 a.m. -39° at 6:00 p.m. Very light SW wind. On trail 10:00 a.m. to S. about 5 miles, then to SSW (after crossing creek gully), over rolling tundra. Deep, slightly crusted snow through which we continually kept breaking; very heavy travelling and dogs balky.

Caribou - saw two moving East along ridge in morning. Numerous fresh tracks, some regular roads in deep snow. In afternoon saw two or three hundred (four separate herds) feeding on hills on East side of North Branch (four or five miles NE of Kopje-shaped hill. Crossed willow and dwarf birch flat through deep snow and camped 3:00 p.m. about ¾ mi. W. of high, flat topped topje with spruce on top, in river bed (mentioned as landmark by David T. Hanbury). Timber scattered; some small dense groves, usually on hills. Saw a few wolf tracks and Ptarmigan in bank. Saw Raven.

(At Bernard Harbour: 8 a.m. N 4 for - 5 p.m. NW 16 stg. Max. - 24.8 Min. - 31.8).

Dease River, N.W.T.

March 3 (Wed.) Clear. Calm in forenoon. Very light NW air in afternoon. -37° at 9:00 a.m. Photo 38. (18) #9. Flat topped Kopje near junction of North and Middle branches of Dease River from mouth. "Hanbury Kopje." 11-1/50-BS. 11 a.m. On trail 11:00 a.m. and moved about 200 yards along a little lake. When we got on tundra, snow was deeper and dogs refused to pull. We had to unload and take half a load ahead. Came to Dease River about 1/4 mile away, a little above junction of North branch with middle branch (from Immaernuk Lake). Indian summer lodge on small hill west of river. Found River smooth, with rather deep snow on ice, but better going than on tundra. River flows between high black dirt and gravel banks here; very crooked. Went on river for short distance, then went back for the other half of our load. Started up again with full load on sled at 2:00 p.m. after

Dease River, N.W.T.

March 3. (Wed.). having progressed about 6 mile Travelled fairly well until 5:00 p.m., making about six miles. Snow about eight inches deep on the level on river ice, and much deeper in some blinds, very soft everywhere. River very crooked, sometimes running NE, and NW, but in general westerly. Spruce timber fairly continuous on both banks. Fewer dead trees than heretofore, and we had to choose a spot where there were enough dead trees within reasonable distance for camping. Had to unload toboggan on river and pack gear up steep sandy bank.

Saw many Ptarmigan and Hare tracks. One wolf track and a few Fox tracks.

(At Bernard Harbour: 8 a.m. NW 25 st'g. 5½ p.m. NW 22 st'g. Strong winds and drift. Max. −23.9 Min. −29.1).

Dease River, N.W.T.

March 4. (Thurs.) Clear a.m. Cloudy p.m. -37° at 10:00 a.m. -27° at 6:00 p.m. On trail 12:00 M. passing around many bends of river. River makes a big loop to northward a little below where we camped, about two miles around, and about 500 yards across. Sled too heavy for us to portage however.

Photo V.P. #1. 265 High bank of Dease (right) south bank. B.S. 12[15] p.m.

Passed Indian lodge frame on right bank at 3:00 p.m., and soon came upon rock exposures on both banks of river; trees more sparse. Passed through narrow rock gorge where river breaks through a rugged chain of hills at 4:00 p.m. Passed two lodge frames and one rack at bend below gorge 4:45 p.m. and camped just around bend 5:00 p.m. Apparently a rapid here, river makes a drop, stones and boulders in river bed.

Arctic Hare — tracks very numerous. Saw two Hares running along bank

Dease River, N.W.T.

March 4. (Thurs). at one place, stopping to look around at intervals:

Caribou — many old tracks crossing the river. Fresh tracks in afternoon — very numerous.

Got a glimpse of a dark Fox or Wolverine crossing ridge near gorge. Saw both Fox and Wolverine tracks in gorge.

Ravens — two or three seen.

Ptarmigan — two or three seen.

(At Bernard Harbour: 8 a.m. W 9½ sty. 5 20 p.m. S 2 var. Max. −18.0 Min. −35.0).

March 5 (Fri.). Clear at sunrise 7:00 a.m. Very few clouds; calm. Light SW wind in afternoon. Dark and cloudy after 3:00 p.m. Light snowfall in evening. On trail 10:45 a.m. Lunch 1.00 – 1.45 p.m. Snow very deep and soft; 12 to 18 inches deep on level, and toboggan sank nearly to bottom. Dogs balked utterly, refusing to move at all at 3:45 p.m. and we were obliged to Camp. Could not even move up close to the

March 5. (Fri). bank and we had to unload in midstream and pack gear about 75 yards up to the bank where there was timber. The caribou meat was finished last night and I cooked dog food again tonight – boiled rice with 2 caribou hearts and 2 cups ~~porcupine~~.

Timber very tall and heavy 30 to 40 feet high, and straight-grained in general; a few spiral twisted trunks. River sinuous, but in general SW and SSW. Nosing Rabbit Mountain visible from river. — 10° at 5:00 p.m.

Canada Jays – several seen along river in spruce timber.

Ravens – 2 or 3 seen.

Many Hare, wolverine and fox tracks.

Marten – several tracks seen today for the first time on this trip.

At Bernard Harbour:
8 a.m. SE 5 Rel.
5 p.m. N 7.
Snowing
Max. – 5.6
Min. – 30.5

Dease River, N.W.T.

March 6 (Sat.). Hazy morning. Clear at 9:00 a.m.
-16° at 9:00 a.m. -26° at 5:00 p.m.
-33° at 9:00 p.m. Clear evening.
Photo 34. (219) #10 N.E. bank Dease River.
11 - 1/50 - B.S. 10:00 a.m.
(266) V.P. #2. Trees on Dease River -
11 - 1/25 - B.S. 11:00 a.m.
On trail 11:00 a.m. bird dogs refused to pull under any persuasion. They are in fair condition, having received the same ration as at all times, but seem "dead", hopelessly inert, utterly helpless and discouraged by deep snow. We snowshoe, and where snow is deepest, double-track a fair trail, but even at that the dogs often break through and stumble, which makes them disinclined to put any weight into the collar. Whipping has not the slightest effect on them except to produce dismal howls. Tugged, pulled and hauled and succeeded in moving toboggan

Dease River, N.W.T.

March 6. (Sat.) about ten yards by hand. Castel's patience is about at the breaking limit. Finally had to unload and pitch camp again in same place as before. Unloaded, patched tent and melted ice out of tent to lighten things a little. Very little ice on inner tent which is somewhat porous. (white Egyptian cotton). The steam goes through and condenses on inside of outer tent which is waterproofed green Egyptian cotton. Decided to stop here tomorrow, rest dogs, cache the bulk of our load, then try go ahead as far as the site of old Fort Confidence at the mouth of Dease River, taking four days provisions, hoping that there may be some Indians there from whom we can get further provisions and go on to Fort Norman or else get some of the Indians to carry the mail on to Fort Norman for us. Saw Canada Jays.

At Bernard Harbour:
8 a.m. NW 2½
8 p.m. NW 23.
Stormy.
Max. —16.
Min. —26.4)

Dease River, N.W.T.

March 7. (Sun.) Clear. Calm. −49° at 8:30 a.m., (thermometer lying in box on top of sled with sun shining upon it). It must have been several degrees colder a little earlier, as tent was frosted up more than ever before. −28° at 11:00 a.m. −37° at 3:00 p.m. −40° at 5:00 p.m. −41° at 7:00 p.m. −42° at 9:00 p.m. Brilliant aurora in evening, wavy, sinuous lines from North to South-west. Working all day on toboggan, cutting off about three feet from end, and repairing fractured board in middle. Cut some heavy logs to make a cache for our stuff. This region is so infested with wolverines that any thing is left exposed at great risk for a single night, and unless rocks are available in plenty, it is a good day's work to build a cache which will keep wolverines out for any length of time.

(At Bernard Harbour: Sun. Mar 9 5.1 var. 5.22 p.m. Clear. Max. −12.5 Min. −40.0)

Dease River, N.W.T.

March 8. (Mon.). Sky overcast at 8:00 a.m. Warmer. Light NE wind. -10° at 8:00 a.m. -8° at 12:00 m. -9° at 5:00 p.m. Finished log cache for our spare gear and provisions.

Canada jays - several around camp. Ravens - two or three seen.

(At Bernard Harbour: 8 a.m. E 4 var. 5 p.m. E 4 " Max. - 23.3 Min. - 42.2 Clear).

Cooked a mess of heavy peas with some pemmican for dogs. They seemed to like it very much.

March 9. (Tues.). Cloudy. Snowing all night and at 6:00 a.m. -1° at 9:00 a.m., and sky clearing. -9° at 4:00 p.m. Cloudy. Cached all our stuff but most necessary camp gear, and four days grub (about 200 lbs. load) and started down river at 11:15 a.m. Got toboggan started with great difficulty and dragged ahead slowly, with stops every few yards, although we had snowshoed a trail ahead, two men forward and back again. Finally the dogs absolutely

March 9. Dease River, N.W.T.

March 9. (Tues.)

refused to pull. With much persuasion they would merely stand up and when we would attempt to start the toboggan by hand-pulling, the dogs would lie down again in a most exasperating manner. It does not look as if they can be worn out, as we have made pretty short days, and the dogs have had full rations all the time. They are coast dogs and seemed completely knocked out by the deep soft snow. As we can not get ahead, having made less than ~~one~~ ½ mile after practically three days rest, about the only thing we can do is to go back while we have a little grub left. I thought of trying to walk ahead to old Fort Confidence with ~~rope~~ blanket and axe, but that would take at least three or four days, and if there should be no people there, we should be out of food, and the dogs may

Dease River, N.W.T.

March 9. (Tues.). not pull on the way back any better than on the way down here.

Decided to go back and turned toboggan around and started back at 2:30 p.m. Reached our cache and old camp at 3:20 p.m., feeling that we have put in over a month's hard work for nothing, and have the prospect of as much more ahead before we get back to winter quarters.

Cooked peas and pemmican again for dogs.

Canada Jays - saw three.

One old Indian lodge on opposite (left) bank of river opposite our camp. Very old axe marks on dead trees near camp. Two old lodge frames on right bank about ½ mile further down.

Woods very dense around here and trees large.

Wind fairly strong NE in morning, drifting snow a little on river, but not packing it hard.

at Bernard Harbour: 8 a.m. ESE 5 Var. 5:30 p.m. NW 1 Sty. Snowing. Max. - 5:0 Min. - 30. Snow and wind began 4:15 p.m. Blew 30-45 mi. until 3 a.m.

Dease River, N.W.T.

March 10. (Wed.)

Clear N.E. wind, fairly strong. -28° at 6:00 a.m. -24° at 10:00 a.m. -27° at 6:00 p.m. Snow drifting all day. Wind died down about 5:00 p.m. but strong again in evening.

On trail 11:00 a.m. Started back up river over our hard-packed old trail, but own then dogs very slowly and reluctantly, with many stops. Went ahead half a mile, when I missed my sheath knife and went back to look for it but could not find it. Returned to sled at 1:00 p.m. and started up again, pulling in harness ahead of dogs, while Castel pulled (and exhorted) in harness at side of toboggan. The Baillie Island dog "Akvirk" refused to pull and dragged back when the others started. I finally took him out of harness and he ran back towards our old camp. He showed up at camp just as dog food was cooked, his only

March 10. (Wed.)

strong, willing characteristic. As he has been a dead weight the whole trip, (thirty-seven days) and has not pulled the food he consumed, I thought we could not afford to carry him longer, so I shot him when he came skirking up the trail. The rest of the team with them immediately pounced upon him, and shook him up well. I skinned him later, and all the dogs but one ate some of the meat.

Reached an old camp site at 5 p.m., so we are just holding our own in going back.

Willow Ptarmigan seen are in brant.
Canada jays - several seen.
Arctic Hare - tracks on river
No wolverine tracks seen today.
Photo V.P. #2. Return Camp.

Dease River. 11 - 1/25. B.S. 12 noon.

(At Bernard Harbour: 8 a.m. NW 11 sty; Clear. 5 1/2 p.m. W. 4 sty. Max. -14.5. Min. -33.0)

Dease River. N.W.T.

March 11. (Thurs.) Sky overcast in morning. Light S.W. wind. −18° at 6:00 a.m. −12° at 9:00 a.m. −1° at 5:00 p.m. −9° at 7:00 p.m. Overcast in afternoon. On trail 10:40 a.m. Dogs were very lazy, some of them, esplecially Bob and Tip had filled up on Akoirk's carcass, and vomited most of it up during the day.

Photo. Vest pocket.

(268) #4. Upper rock gorge. Dease R.
16 − 1/25 − B.S. 11:30 A.M.

(269) #5. Limestone just below above.
do.

(270) #6. Limestone, right bank.
16 − 1/25 − B.S. 12:00 m.

(271) #7. Trees and snow banks.
Upper Dease River
11 − 1/25 − Dull Sun. 3:00 p.m.

(272) #8. Snow-drifted grove of spruce
Upper Dease River
11 − 1/25 Dull sun 3:15 p.m.

Dease River. N.W.T.

March 11 (Thurs.) Photo. 3A. (220) #1. Indian lodge frame Upper Dease River 11-50-BS. 1:40 pm

(221) #2. do.

Camped at site of Camp 7 March 4th. at 4:30 p.m. at 4:30 p. m. Clear evening. but cloudy in Wind fairly strong in evening. Both Castel and I pulled hard in harness all day.

Willow Ptarmigan — Saw one near camp, and a flock in the brush at the Indian lodge.

Canada Jays — two or three seen.

Ravens — saw two or three.

Arctic Hare — Saw one on river at the same place where we had seen two going down the river. He ran up on the bank and crouched down behind a spruce clump. I went up but the Hare started off across the bare hills back from the river.

(At Bernard Harbour 8 a.m. SE 2 var. Clear 5 2 pm. SE 12 stg. Max. −22.5 Min. −40.9)

Dease River, N.W.T.

March 12 (Fri.)

Clear until 5:00 p.m. Hazy at times. Light SW wind. Light snow in evening. +3° at 9:00 a.m.

(293) V.P. ½ "Mushing" on Dease River.

11 - 1/25 - D.H.S. 2:00 p.m.

(222) 31 - ½ Entrance of Middle Branch of Dease River (the branch from Immaerneit Lake. 11 - 1/25 - BS 2:45 p.m.

-5° at 6:00 p.m.

On trail at 11:00 a.m. Dogs pulled better today and we reached camp when we entered the river channel on March 2nd, near "Hanbury's Kopje," at 3:30 p.m.

Indian summer lodge just below here.

Willow Ptarmigan - saw one flock.

Canada Jays - two or three seen

Caribou - fresh tracks on river.

Arctic Hare - tracks numerous.

Cloudy and overcast in evening.

(At Bernard Harbour: 8 a.m. S. 1 var. Clear
5 p.m. E. 3 var. Max. +5.8 Min -22.8)

Dease River, N.W.T.

March 13 (Sat.)

Hazy sunshine in morning. Calm.
−9° at 7:00 a.m. −1° at 9:35 a.m.
Clear in evening. − 9° at 6:00 p.m.
Very light NE wind in evening. Sky overcast later in the evening.

(223) 3A. Photo - #4. Toboggan on tundra.
11 - 1/50 - B.S. 11:40 a.m.

(224) #5. do. Castel ahead of dogs.

On trail 10:00 a.m. - across willow flats to uplands. Reached old camp of March 1st at 2:30 p.m.; passed it and camped in edge of heavy woods about two miles further north at 4:30 p.m.

Caribou - saw a herd of at least fifty or sixty feeding in the edge of the thick woods, and I wind ahead after them. The dogs started howling and scared them. They took alarm, and the tracks soon converged into a single deep track about as wide as they ploughed through the soft snow.

Fort Bernard Harbour:
8 a.m. E 2 Obs.
5 p.m. Id 1 "
Max. +2.0
Min. −18.7

Dease River, N.W.T. — Dismal Lake.

March 14. (Sun.) Cloudy; fairly strong SW breeze at 8:00 a.m. + 9° at 9:00 a.m. Wind East. −6° at 7:00 p.m. Wind fairly strong NE. Intended to stay over here a day and hunt Caribou, but the wind was so shifty and variable in the morning that I decided to push ahead across the divide. On trail 10:00 a.m. Passed through some thin fringes of spruce trees, but found snow fairly hard on the open ground. Reached top of divide at 12:00 p.m. and had lunch near head of long lake at top.

Wolverine — saw one about 150 yards away, and at first thought it was a rock. Got out rifle, but Swash started to bay, and the wolverine started off down hill, never stopping, heading along the valley leading into Sandy Creek.

We followed along two small

March 14. (Sun.) lakes, a mile or so east of our former route across going south, and found the portage better, more even grades and apparently lower. Ascended a rather broad grassy valley; snow rather soft and reached west end of Dismal Lake at 2:00 p.m. (left top of divide 12:30 p.m.) Camped at 2:30 p.m. in grove near mouth of creek about ¾ mile from end of lake (south side); most of spruce trees dead near mouth of creek, with bark chafed off near the roots. Two Indian lodge frames on north side of lake near here, near the rock ledge.

Rock Ptarmigan — saw a small flock on barren hilltop near lake.

Cross Fox — saw a dark Cross Fox eating a Caribou skin which had fallen to the ground at our old camp, but he ran away before I could shoot. The other Caribou skin was still hanging on the tree where I had left it.

(At Bernard Harbour: 8 a.m. E 8 St'y. 5:30 p.m. NE 5 var. Max. — 2.8 Min. — 32° Snow.)

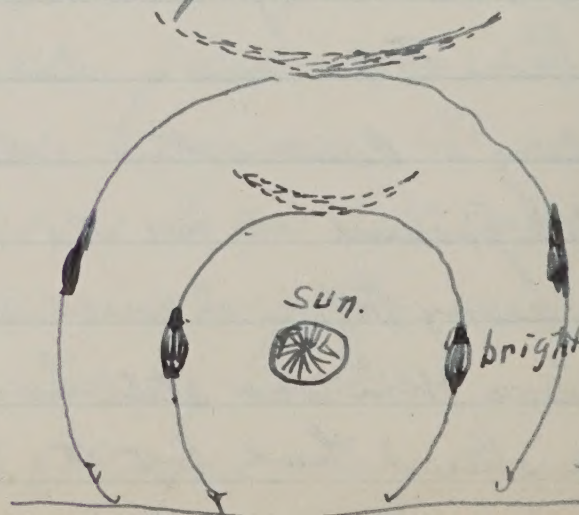
Dismal Lake, N.W.T.

March 15 (Mon.) Hazy sun all day. Slight fog at times. Wind fairly strong SE all day. Sky clear above, in afternoon but snow fog on hills. −6° at 9:00 a.m. −5° at 10:00 a.m. −15° at 7:00 p.m.

Willow Ptarmigan — large flock near camp in morning. Killed two at one shot with Mannlicher rifle. Could have shot ten at once with shotgun as they were unusually tame, and kept bunching up. On track 10:20 a.m. Passed turning point (to SE) at 3:05 p.m., and camped at 5:35 p.m., a little west of our camp going west. No wood except a few sticks which we brought on sled. Sun drifting all day.

Raven — saw one.

Brilliant parhelia at 2:45 p.m.



(At Bernard Harbour:
8 a.m.
5 p.m. + 6.2
Max. + 6.3
Min. − 19.3
Bright sun all day.)

Dismal Lake, N.W.T.

March 16 (Tues.) — 25° at 8:30 a.m. Clear at 6:00 a.m. Hazy sun shining through thick frost fog all forenoon. Very light South Easterly wind in morning, but stony wind suddenly sprung up about 11:00 a.m., increasing all day, from East — a gale in afternoon and stony wind continuing all night. + 11° at 2:00 p.m.

On trail 9:35 a.m. Passed the small stony island at 10:15 a.m. where I killed the caribou Feb. 27th. Reached the west end of the Narrows at 12:00 M., with a gale blowing down the gullies. Paced the narrowest part twice, 156 paces wide. Lunch 12:15 to 12:45 p.m.

Cross Fox — saw a dark Cross Fox on south side hills near the Narrows and another about ½ hour later, crossing the lake from the north side.

Dismal Lake, N.W.T.

March 16 (Tues.)

(225) Photo 3A. #5. The Narrows, Dismal Lake. (Looking towards eastern entrance). 11 – 1/25 – Bright hazy sun. 2:00 p.m.

(226) #6. North side of Dismal Lake about two miles East of Narrows. Camped at 3:25 p.m. in a little lagoon, with stunted Spruce around margin, about four miles East of the near the Narrows; near the beginning of the overland portage route of the Coppermine River Eskimos. The weather was thick, gale from East; foggy and snow drifting thickly. Set up square pen-nucdin tin on post as a mark here.

(At Bernard Harbour: 8 a.m. SE 7 s'ty, SE 17 s'ty. Clear. Fresh SE breeze all day. Max. – 6.2 Min. – 36.).

Dismal Lake, N.W.T.

March 17. (Wed.) Clear at 6:00 a.m. Hazy fog at 8:30 a.m.; not very cold. Strong SSE wind and snow drifting thickly. +10° at 9:00 a.m. +24° at 3:30 p.m. +17° at 7:00 p.m. On trail at 10:00 a.m. in quite a blizzard most of the day, rather squally, and clear enough most of the time so that we could see our course pretty well. Wind NE after 3:30 p.m. Sun shining at intervals. Clear evening. Wind squally, shifting from SE to NE. Soon pulled out of Dismal Lake, and passed over a series of low hills, and along a long narrow lake among the hills with small spruce groves here and there. The last end of the lake was flooded on surface for a short distance & practically the whole length of the lake was glare ice. (This same lake was flooding in March 1911).

Dismal Lake to Coppermine River. N.W.T.

March 17 (Wed.)

(227) Photo 31. #7. Lake North of East end Dismal Lake looking to NW. 8 - 1/50 - Bright cloudy. 3:00 p.m.

(228) #8. do. looking to north

Followed level bench, along a small lake, at edge of limestone ridge (southeast end of Copper hills.) but struck down too far into the timber and got into deep soft snow before reaching Tepee Creek, and camped in the timber a little south of Tepee Creek at 5:40 p.m.

"Bob" played out today about 4:30 p.m., and lay down. We took him out of harness, and he was barely able to follow our trail after a long rest. The hard pull today, bucking against a strong headwind, had completely tired him out. He has been working hard during the whole trip, pulling better than most of the dogs.

(At Bernard Harbour:
8 a.m. SE. 10 cl'dy
5 2e/p.m. SE. 6 "
Sun halo 5 p.m.
Max. 13.5
Min. -14.2)

Tepee Creek, Coppermine River

March 18 (Thurs.)

+17° at 8:00 a.m. Clear light East wind. Sky soon became cloudy and there was a heavy wet snowfall from 11:00 a.m. to 1:00 p.m. and a very slight misty rain for an hour or two (1:00 to 2:00 p.m.), wetting our clothing, sled-cover, gun-cases, etc. Clear in evening

+25° at 10:00 a.m. +32° at 12:00 m.
+30° at 3:00 p.m. +26° at 8:00 p.m.

On trail 10:00 a.m., six dogs in harness, and "Bob" slowly following. We had to go back and coax him up occasionally. Reached Tepee Creek about half a mile above the old lodges, and had an hours hard work breaking a trail down through rocks, willows, and soft snow. Reached cache at mouth of the creek at 12:00 m. and camped. A wolverine had managed to drag one log from top of cache and stolen skull and torn up the wolf skin-but left other things untouched. Saw 2 or 3 Canada jays

At Bernard Harbour:
8 a.m. W 5 var.
5:30 p.m. E. 2 " Overcast.
Max. 29.1
Min. 8.6)

Coppermine River. Tepee Creek to Copper Creek

March 19. (Friday). Clear, bright morning. +10° at 8:00 a.m. +40° at 12:00 m. +31° at 9:00 a.m. +23° at 6:00 p.m. Calm. Clear and warm all day, really hot at times. I pulled on sled all day without skin clothing. Temperature 50° (in sun) at 12:30 p.m. noon. Snow melting and water dripping over black rocks along river.

(275) Phot. I.P. #3. Dog "Siwash" (the beauty). 8 - 1/25 - B.S. 9:00 a.m.

(276) #4. do. another portrait.

Phot. 3A. (229) #9. Coppermine River, to north, towards mouth of Glacier Creek. 11 - 1/25 - B.S. 10:00 a.m.

(230) #10. Mouth of Glacier Creek. 11 - 1/50 - B.S. 11:00 a.m.

On trail 9:40 a.m. Passed Glacier Creek 11:00 a.m. Passed a rocky creek on south side of river, two or three miles East of V. Stefansson's old rack at 3:00 p.m. Camped at 4:00 p.m. in grove on south bank about 3/4 mile west of our camp of Feb. 4th on the opposite side of river.

(At Bernard Harbour: 8 a.m. NW 3 mi. 5 p.m. E 2 " Overcast. Max. 27.6 Min 11.7)

Coppermine River — around Big Bend.

March 20. (Sat.)

Cloudy morning. Snow fell about two inches deep during night and in the morning +20° at 7:00 a.m. +23° at 9:00 a.m. +23° at 4:00 p.m. +17° at 6:00 p.m. Clear in evening. Wind variable. On trail 9:30 a.m. Travelled pretty well today. Reached the west end of big loop at 2:00 p.m. and reached the cache at mouth of small creek a little east of the mouth of Melville Creek at 3:00 p.m. Camped here.

A Wolverine had cleaned up the cache here. He had chewed a round hole into a 16-lb. tin of H.B. pemmican and licked it out clean. A sack of rice was broken and scattered over the snow, but I scooped most of it up. All tools and skin sacks were torn up. A 6-lb. can of Underwood pemmican was missing. A 10-lb. lard pail was the only thing untouched. Saw Ravens.

Red Fox — Saw a light Red Fox twice on river today.

(At Bernard Harbour: 8 a.m. NW 3 bar. 5 p.m. W. 4 St'g. Clear. Max. 27.5 Min. 4.5)

Coppermine River – Melville Creek to Muskox Rapid Portage.

March 21. (Sunday)

Clear 6:00 a.m. Light SW wind. +1° at 8:00 a.m. +19° at 6:00 p.m. +3° at 8:00 p.m. Cloudy and foggy after 6:00 p.m.

♂ Willow Ptarmigan all around camp at 5:00 a.m. uttering the shrill spring call note Ka'lē'i Ka-lē'

On trail 9:15 a.m. Passed the mouth of Melville Creek at 10:00 a.m. and our old camp (of Feb. 18th.) at 11:15 a.m.

Photo 3A.

231. #1. Coppermine River, boulder bank on East side, below Melville Creek. 11 – 1/10 – Bright sunn. 11:30 a.m.

232. #2. Coppermine River etc., at same place

233 – #3. Ice walls, East side of Coppermine River, with dog-teams. 11 – 1/10 – B.S. 12:45 p.m.

234. #4. Coppermine River, to SE, above mouth of Burnt Creek.

March 21. (Sunday)

235. #5. Coppermine River ice; between Melville Creek and Muskox Rapid. 11 — $\frac{1}{100}$ — B.S. 1:30 p.m.

236. #6. do.

237. #7. Smooth ice wall — Coppermine River. 11 — $\frac{1}{100}$ — B.S. 2:00 p.m. do.

238. #8. do. Aarnout Castel, in front of ice wall, ab 15 ft. distance. 11 — $\frac{1}{100}$ — B.S. 2:00 p.m.

239. #9. East bank of Coppermine River. Rough ice (A. Castel on top) 11 — $\frac{1}{50}$ — B.S. 4:00 p.m.

240. #10. Ice wall, about 12 ft. high. East bank of Coppermine River, near portage, below mouth of Burnt Creek. ds.

Phot V.P. #6. Muskox Rapid, to NW. (278) Snow blown off the hills on East side of River. 22 — $\frac{1}{50}$ — B.S. 4:00 p.m.

(279) V.P. #7. Mouth of Burnt Creek, near ds. 11 — $\frac{1}{50}$ — B.S. 4:00 p.m.

(280) V.P. #8. Hills East of Coppermine River above Muskox Rapid. 22 — $\frac{1}{50}$ — B.S. 4:00 p.m.

Coppermine River — Melville Creek to Muskox Rapid Portage.

March 21. (Sunday)

In afternoon passed our camp sites of Feb. 17th and 16th on the Coppermine River, started on the portage about 4:00 p.m. and camped on the hills at 5:10 p.m., about a quarter of a mile from our camp site of Feb. 15th. Made nearly "four days' travel" today, passing three of our camps made while going up river. Since we had gone up, a very strong wind had blown most of the snow off the hills in many places, and packed the snow very hard and deep along the river bank, filling up many bad holes among the ice cakes and boulders and improving the trail very much. This time the trail was in much the same condition as it was when I came along here with Tamaremiak (with two toboggan loads of specimens) on April 14th,

March 21 (Sunday) Camping on the portage, going nearly to Melville Creek before lunch and camping the evening about ten miles above Melville Creek on the big bend. On that trip we had only seven dogs to haul two toboggans and reached our house on the East branch of Dease River on May 2nd.

Saw numbers of fresh Fox tracks
Wolverine - fresh tracks numerous.
Weasel - tracks seen.
Arctic Hare - tracks numerous

(At Bernard Harbour: 8 a.m. W 17 s't'y. Clear 12 p.m. WNW. 15 s't'y. Light drift. Max. 11.5 Min. -2.0)

Coppermine River — Muskox Rapid Portage.

March 22. (Mon.) Cloudy. +1° at 8:00 a.m. Wind NW Foggy until about 2:00 p.m. and clear afterwards:

+3° at 9:00 a.m.

+3° at 3:00 p.m.

−8° at 5:00 p.m.

On trail at 9:30 a.m., and after a short pull over hills reached the cache on lake side, made inventory with D. Jennes. We found this cache untouched, to our surprise, as there were many fresh wolverine tracks all around our old trail. Took up this cache and started ahead again at 11:00 a.m. along the long lake and the hillside. Crossed a small, rather long lake a little nearer the river than our old trail. This lake had been much flooded at southern end in the fall and winter, as ice was much higher at south end. As this course began to lead us into rough

March 22 (Mon.) hilly country towards the river, we had to back out to the Eastward again finding our old trail the better.

Caribou - many fresh tracks on hills, going east.

Wolverine tracks plentiful.

Fox tracks plentiful.

Reached Mr. Johansen's old camp at 2.30 p.m. and camped at the old site. Johansen and Jennes had apparently stayed here for some time after we went up the river. Many Fox, wolverine and Raven tracks all around the old camp site. Saw Ravens around camp

(at Bernard Harbour: E×N 7 var.
Clear 5.30 p.m. EN 5 var.
Max. 5.° Min. -15.5°)

Coppermine River — to N. limit of Spruce

March 23. (Tues.) Clear. Calm. — 36° at 7:00 a.m. — 30° at 9:00 a.m. — 27° at 9 45 a.m. — 24° at 8:00 p.m.

On trail 9:55 a.m. and crossed gently sloping valley to crest of ridge which appears on both sides by Coppermine near the Sandstone Rapid.

(241) Photo 34 #1. Most southerly diabase cliff on East side of Coppermine R. Near Sandstone Rapid. 11 — 1/50 — B.S 10 45 a.m.

(242) #2. do. to NE. 11 — 1/50 — B.S 11:20 a.m.

(243) #3. do. to N. 11 — 1/50 — B.S. 11:20 a.m.

Wolverine, Fox, and Hare tracks numerous around this ridge; also a few Ptarmigan tracks.

Caribou — fresh tracks seen shortly after reaching Lake at foot of ridge, on north side. After going about 4 mile farther, following a chain of small lakes, separated by grassy tundra patches, we saw a herd of about 25-30 Caribou feeding on low rocky hills to northward about 600 yards

March 23 (Tues.) away. We stopped sled and as there was no good shelter, and the deer were standing still, having seen and heard the dogs. I walked cautiously up to about 300 yds. before they began to move. I dropped one and wounded another, which followed the others over the hills to the right. Skinned the dead deer and put it on sled and told Castel to move ahead along the chain of lakes as far as he could go alone, while I went after wounded one a hornless bull.

Measured the first one. ♂ L. 74½ inches Tail 7 in. Hind foot - 20 ¾ in. Could not find wounded deer at first, but finally detected it by observing a Raven or snow bird about 100 yds from the wounded deer. I stalked it again, and broke another leg as it hobbled off. Chased it for some time until it finally lay down. I took several snapshots with Kodak pocket Kodak near the finish. Removed intestines and skinned legs, then cached the

Coppermine River – Near N. limit of trees

March 23. (Tues.)

caracas under snow for tomorrow.

Overtook Castel in about an hour. He had shot at and wounded a White Fox, the only White Fox seen on the trip; the dogs had ran away down a steep hill, where the toboggan outdistanced the dogs and tipped them up in their harness and toughed the toboggan around stern foremost stopping it on the crest of a very high steep snowbank on the Edge of a lake. We got started again about 4:00 p.m. and headed for the Coppermine River about where we thought the little timbered creek to be. We struck about two miles too far up river and found no trees on one side of the river – and the river impassible here on account of rough ice, so we had to cross a number of gullies until we finally found enough timber for camping in a little creek at the head of the bay, bend from E. to N. Camped 7:10 p.m., nearly dark.

(At Bernard Harbour:
8 a.m. W 6 5'ly
5 p.m. W 10 "
Clear.
Max. – 12.0
Min – 33.0

Coppermine River – Near N. limit of Spruce.

March 24 (Wed.) Clear. Light SW wind all day. -10° at 10:00 a.m. -8° at 7:00 p.m. Started out from camp with toboggan at 2:00 p.m. to bring in the second Caribou killed yesterday. Reached the "White Fox hell" 3:30 p.m. and the carcass at 4:00 p.m. Saw four Ravens feeding on the carcass and two more near by. Numerous Fox and Wolverine tracks about, and about half of the carcass was eaten up. Saw a Cross Fox near here today. Reached camp 6:30 p.m.

(At Bernard Harbour: 8 a.m. SW 2 Mar. 2 p.m. S 3. Clear. Max. 11.1 Min. -31.6)

March 25 (Thurs.) Cloudy. Strong SW wind. +14° at 10:00 a.m. +17° at 12:00 M. Heavy snowfall, about 2 or 3 inches, during the night; more snow about 11:00 p.m. and later. Stayed in camp all day. Boiled up most of the larger bones and gave the dogs extra food.

(At Bernard Harbour: 8 a.m. E. 2 Mar. 2 p.m. NE 1 Mar Hazy Max +18.8 Min. -24.9)

Coppermine River – N. limit of Spruce

March 26. (Friday). Cloudy. Calm. +7° at 8:00 a.m. +7½ at 5:00 p.m. On trail 10:00 a.m. Dogs balked again, and Castel and I had to pull sled out of the camping Gully by hand, while the dogs sat down and watched us. Passed "first spruce camp" at 11:15 a.m. Thick and foggy weather; snow falling during most of the day. Fairly strong NNW wind. Reached mouth of creek on East side of Coppermine River, above Bloody Fall, at 3:50 p.m. Camped near Jenness' old camp on stony Creek mouth, and found some piled up driftwood.

Caribou – a large herd (50–60) came up just behind us a few minutes before making camp. They came over a hill, stopped and watched us calmly for some moments at a distance of not more than 300 yards, then moved slowly to eastward. Did not molest or scare them, as we have plenty of meat.

(At Bernard Harbour: 8 a.m. NW 15 Stg. 5 p.m. NW 24 " Clear. Drifting. Max. 7.5 Min. – 7.5)

Coppermine River – Bloody Fall to Mouth.

March 27. (Sat.) Clear at 7:00 a.m. Light SW wind
-25° at 7:00 a.m. -4° at 7:00 p.m.

(244) Photo 34. #4. Clay hills, north side of Bloody Fall Creek. 11 – 1/50 – B.S. 10:30 a.m.

(245) #5. Clay hills on west side of River south of Bloody Fall. 11 – 1/50 – B.S. 11:00 a.m.

(246) #6. ~~South~~ ~~North~~ Entrance to Bloody Fall gorge. 11 – 1/50 – B.S. 12:00 m.

(247) #7. Middle of Bloody Fall gorge. Dog team in foreground. Taken from halfway up hill on west side of river. 11 – 1/50 – B.S. 12:05 p.m.

(248) #8. Exit of Bloody Fall – to north

(287) V.P. #7. Raven's nest – west bank, in middle of Bloody Fall gorge. 11 – 1/25 – B.S. 12:20 p.m.

Very little open water in gorge – quite a bit less than when we went up in February. Water apparently at same level as before.

Stopped just below Fall for lunch 12:30 to 1:00 p.m. Reached cache further down the river and took on sleds.

Coppermine River – Bloody Fall to Mea

March 27. (Sat.)

Found note from Mr. Jennes dated "Feb. 21, 1915 – arrived here at noon "and took what we should have of grub "+ the wolf skin and – bones, but as we "have got more than plenty of Caribou – "meat before leaving the Spruce creek – "camp and our sledges are heavily "loaded, we leave the last meat cache "at the mouth of the river entirely untouched "for you. Sincerely D. Jennes."

Left cache at 3:20 p.m. Snow rather deep and soft on river. Reached first point up river (bluff land) at 4:45 and the cache at mouth of river at 6:15 p.m.

Cross Fox – saw one crossing river near its mouth.

Could not find a single stick of wood on river bank, as heavy snow drifts had covered the whole beach here deeply since we were here before, so we had to use the primus stove. Calm in evening. – 4° at 7 p.m.

Wolverine trap at cache was sprung.

(At Bernard Harbour:
8 a.m. W. 18 s.t.y.
5:20 p.m. W. 6 "
Clear.
Max. – 3.8
Min. – 18.8)

Coronation Gulf.

March 28. (Sunday). Calm in morning. Hazy. -11° at 9:00 a.m. -6° at 7:00 p.m. On trail at 11:00 a.m. Cloudy. More hazy in afternoon, but sun faintly visible all day. Snow very heavy and soft for several miles off the mouth of the Coppermine, but became harder as we approached Cape Kendall. We passed through the chain of islands E. of Mackenzie Point and headed outside of Cape Kendall. Camped at 5:45 on small rocky island about 3-4 miles NE of Cape Kendall. Many old Eskimo stone caches on this island, but not a stick of wood anywhere, although snow was mostly blown off. Pulled in harness all day.

Caribou - saw many fresh Caribou tracks on ice going west just outside of the mouth of the Coppermine River. Saw a herd of about fifty feeding on the hills near the coast about two miles west of the mouth of the river. Many old tracks on the ice farther off shore.

(at Barnard Harbour:
8 a.m. E 10 sky
5 p.m. E 5 "
Hazy - clear
Max. - 4.4
Min - 23.4)

Coronation Gulf – Cape Kendall to C. Hearne

March 29. (Monday) Clear. Slight haze on land. -12° at 10:00 a.m. -10° at 11:30 a.m. -20° at 7 p.m. Light NNW wind. On trail 11:50 a.m. and moved slowly ahead until 3:45 p.m., camping on the ice about 5–8 miles ESE of Cape Hearne. Heard Ravens.

(At Bernard Harbour: 8 a.m. W 5 mor. 5:30 p.m. NE 3 mor. Clear. Max. -1.0 Min. -23.9)

March 30 (Tuesday). Clear a.m. Slightly hazy in the afternoon. Light NW wind. On trail 11:15 a.m., making course NE (true) for Point Lockyer (the south eastern tip of the little Cape Kruesterne peninsula), the point being faintly visible all day. Lunch 1:00 to 1:35. Passed a snow-house village, about seven houses in sight about three miles West of Point Lockyer. This village had been built since we went south. About 5:00 p.m. we met Mr. J.R. Cox and Mr. D. Jennes surveying near Point Lockyer. About one mile off

March 30. (Tues.) shore at this point there was an Eskimo house on the ice with skin roof. Two men and a boy came over to our camp very soon. −20° at 9:00 a.m. −15° at 10:30 a.m.

Messrs. Jenness, Johansen, and Palaijak had got plenty of Caribou on the Copper-mine, and found Eskimos on Coronation Gulf very soon after, had gone home over the Kruesterne "long portage". Many Eskimos had visited the station, and several dogs had been purchased. Pending our return, Mr. Jenness had volunteered to assist Mr. Cox for at least ten days in his survey of the Coast to the eastward. They had been out from the station about a week and completed the survey from Bernard Harbor around Cape Kruesterne to this point. Mr. Jenness had also made provisional arrangements to accompany a family of Eskimos who were to spend the summer in the interior of Victoria Island.

At Bernard Harbour: 8 a.m. NW 5 Var. 5 p.m. NE. 1 var. Clear. Max. 7.0 Min. −28.3

Coronation Gulf (Point Lockyer) to Cape Lambert, Dolphin and Union Strait.

March 31. (Wed.)

Hazy sun all day. Strong NE wind in morning, east in afternoon. On trail 10:30 a.m. We had to go about 1½ miles off shore to visit an Eskimo village of about 40 people on the ice about midway between Point Lockyer and Cape Krusenstern. Stopped here for about half an hour (arriving at 12:00 m.) and picked up a dog which Mr. Jenness had previously purchased. Most of these people had been at the station recently. They were of mixed groups, some from the Steels, and some Kogluktogmiut who had come up from the mouth of the Coppermine River, and were on their way home again. One man stood around shivering in the strong wind (-15° F.) with no clothing above the waist but a cotton bed-ticking parka. He had plenty of skin clothes, Jenness said, but wanted to show he was in fashion.

March 31. (Wed.) Reached the bottom of the rather deep little bay about three miles south of Cape Krusenstern at 3:40. and crossed over a low easy portage, across a small lake, north of Mound Barrow, and reached the bay on West side at 4:10 p.m. Distance across, paced by Mr-Cox 8100 ft (2700 yds. 1.53 mile.) Distance around coast by Cape Krusenstern is six or seven miles. This is the "short portage." The long portage extends from the bottom of the bay East of Cape Lambert, is about 10 or 12 miles long, and comes out on the north side of Basil Hall Bay.

Passed another Eskimo Camp in middle of bay at 4:30, one big large sled had just arrived and the people were building Camp. Reached East bluff of Cape Lambert at 6:30 p.m. and camped. Quite a bit of driftwood here. Small pieces.

(At Bernard Harbour: 8 am. E 3 mer. 5 pm. E 12 mer. Clear. Max. — 4.6 Min. — 24.4)

—21° at 7:00 a.m. —18° at 9:00 a.m. —14° at 10:00 a.m. —15° at 8:00 p.m. Strong gale kept up all night. snow drifting.

April 1. (Thurs.) Reached Bernard Harbor 8:50 p.m. (See p 279)

Coll. No.	Sex	Species.	Locality.	Date.
326.	♀	Branta canadensis hutchinsii	Herschel Island, Y.T., Canada.	Aug. 1914.
327.	♀	" " "	" " " "	" "
328.	♂	Falco rusticolus rusticolus	Cape Bathurst, N.W.T.	Sept. 10, "
329.	♀	Archibuteo lagopus s.-johannis.	" " "	" " "
330.	♂	Larus hyperboreus juv.	" " "	" 19, "
331.	♀	Larus glaucescens juv.	" " "	" " "
332.	♀	Stercorarius ~~longicaudus~~ pomarinus juv.	" " "	" 23, "
333.	♀	Somateria spectabilis	" " "	" 25, "
334.	♂	Vulpes lagopus innuitus ad.	" " "	" 22, "
335.	♂	" " " juv.	" " "	" 25, "
336.	♂	" " " "	" " "	" " "
337.	♂	" " " "	" " "	" " "
338.	♀	Thalassarctos maritimus ad.	" " "	Sept 28, "
339.	♂	" " juv.	" " "	" " "
340.	♀	" " ad.	" " "	Oct. 2, "
341.	♀	" " juv	" " "	" " "
342.	♀	Phalaropus fulicarius	" " "	Sept. 30 "
343.	♀	Gavia stellata juv.	" " "	" " "
344.	♀	Nyctea nyctea	" " "	Oct. 1, "
345.	♂	Larus hyperboreus juv.	" " "	Sept. 30, "
346.	♂	Vulpes lagopus innuitus juv.	" " "	Oct 4. "

Coll. No.	Sex	Species	Locality.	Date.
347.	♂	Plectrophenax nivalis	Lady Richardson Bay, Victoria Is.	July 4, 1914 [J.F.B.]
348.	♀	" "	" " " " "	" " " [J.F.B.]
349.	♀	Thalassarctos maritimus	ad. Cape Bathurst, N.W.T.	Oct. 12, 1914.
350.	♂	" " juv.	" " "	" " "
351.	♀	" " "	" " "	" " "
352.	♂	Dicrostonyx sp.	" " "	" " "
353.	♂	" "	" " "	" 13, "
354.	♂	" "	" " "	" 15, "
355.	♂	" "	" " "	Nov. 15. 1914
356.	♂	Lepus arcticus canus (Utkatlik.)	Liston Isl., D. & L. Str.	Jan. 20, 1915
357.	♀	Falco peregrinus anatum (Kyltyavik)	Bernard Harbor. "	Sept. 9, 1914.
358.	♀	Falco (Kalā)	" " "	Sept. "
359.	♂	Acanthis sp. (Hakhung'ak)	Cape Lambert. "	March 1, 1915
360.	♀	Canis (Amarkom)	near Bloody Fall, Coppermine R.	Feb. 10, "
361.	♀	Thalassarctos maritimus	DeWitt Clinton Point.	May 7, "
362.	♀	Citellus parryi	" " "	May 11. "
363.	♂	Otocoris alpestris hoyti	Wise Point.	May 21. "
364.	♂	" " "	" "	" " "
365.	♂	Helminthophila celata.	Hope Point	" 23, "
366.	♀	Vulpes lagopus innuitus		Sept. 23, 1914
367	♂	Citellus.	Bernard Harbor.	May 29. 1915

Coll. No.	Sex.	Species		Locality	Date.
368.	♀	Citellus parryi.		Bernard Harbor.	May 29. 1915
369.	♀	" "		" "	" " "
370.	♀	" "		" "	May 30, "
371.	♀	" "		" "	" " "
372.	♂	" "		" "	" 28, "
373.	♂	Rangifer	juv.	" "	June 6, "
374.	♀	"	1 yr.	" "	April 3. "
375.	♀	"	1 yr.	" "	" " "
376.	♀	Citellus parryi.		" "	June 6, "
377.	♀	" "		" "	" " "
378					
379.					
380.					
381.					
382.					
383.					
384.					
385.					
386.					
387.					
388.					

Cape Lambert to Bernard Harbor Dolphin and Union Strait, N.W.T.

April 1. (Thurs.) 1915.

-6° at 10:00 a.m. Strong SE wind blowing all day and snow drifting. Broke camp at Cape Lambert cliffs and started home 11:00 a.m. Passed a large deserted snow-house village at a rocky point 1:00 p.m. Stopped there for lunch and started off again 1:40 p.m. Passed another old village at 3:00 p.m. East of Chantry Island, and another a little farther west (both villages having been built since we came east February 2nd. Passed East end of Chantry Island ~~at~~ 7:00 p.m. ~~East~~ along the south side of the island and reached the station at 8:50 p.m.; this being the fifty-ninth (59th) day since we started on the trip up the Coppermine River. The last two days, since meeting Cox and Jenness, are the only days on the return trip that Castel and I have not had to pull in harness to help the dogs move the toboggan. Found at the station F. Johansen, J. Sullivan and Paliyak.

April 1. Bernard Harbor. N.W.T.

and one Eskimo family, one man Ulukpaak, with two wives and a fosterson who had been retained on a temporary arrangement to hunt.

Found a letter from K.G. Chapman dated March 16th, stating that he and J.J. O'Neill, with Okey Angotituak as assistant, were starting west March 17th, to begin the survey in the Darnley Bay region, as planned before. The two teams from the Coppermine had returned to the station on March 1st (Jennes, Johansen, and Palaiyak).

Caribou - Ulukpaak killed three near here about ten days ago. Many tracks in the bay.

Ugyuk - (Bearded Seal). The Eskimos have killed a number recently on the ice.

Raven - saw one today (about fifteen miles East of the station.

Common Seal - Nineteen Seals were purchased from the Eskimos who came over from Liston and Sutton Islands last month. The natives have been killing all the Seals they needed.

April 1, 1915. at Bernard Harbour: 8 a.m. SE 20 s'ty.
5^20 p.m. ESE. 19 s'ty. Overcast; snow
drifting high. Max. −1.7 Min. −16.2)

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